



US Army Corps
of Engineers
Seattle District



US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone (206) 764-6911
Attn: Sandra Manning, Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone (360) 407-7298
Attn: Penny Kelley, Federal Permit
Coordinator

Public Notice Date: July 31, 2008
Expiration Date: August 30, 2008
Reference No.: NWS-2008-744-SOD
Name: Washington State Dept. of
Transportation, I-5 widening from
Blakeslee Junction to Grand Mound

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws, and the Coastal Zone Management Act.

APPLICANT: Washington State Dept. of Transportation
Post Office Box 1709
Vancouver, Washington 98668-1709
ATTN: Erin Gardner
Telephone for Vickie Albert, project manager: (360) 905-2175

LOCATION – In wetlands, jurisdictional ditches, and unnamed tributaries to Prairie and Dry Creeks, between Blakeslee Junction bridge near the City of Centralia, and at the City of Grand Mound in Thurston and Lewis Counties, Washington.

PROJECT DESCRIPTION – WORK: The proposed project includes: widening Interstate 5 (I-5) from 4 to 6 lanes between Centralia and Grand Mound for a distance of 4 miles and installing stormwater treatment facilities. The I-5 widening would permanently fill 4.56 acres of Category II and 0.68 acre of Category III wetlands (5.24 acres total), temporarily impact (primarily vegetation clearing) to 4.69 acres of Category II and III wetlands, remove trees in 0.35 acre of a forested wetland for the clear zone required for highway safety standards, extend culverts in tributaries to Prairie and Dry Creeks permanently filling 0.002 acre, and enhance 12 acres of degraded wetlands by excavating approximately 8.4 acres to restore hydrologic and floodplain functions. The culvert extensions would likely occur in the dry depending on seasonal precipitation and would be extended only during the fish windows. Where streams flow through wetland, the impact was calculated as wetland. In one location, the unnamed tributary to Dry Creek, the culvert extension occurred in stream only.

PURPOSE: The purpose of the project is to improve mobility and increase safety, efficiency for freight and vehicles, and the capacity of I-5 to meet current and predicted congestion problems in a rapidly developing area of Thurston and Lewis Counties. The project would also improve water quality problems by treating stormwater along the corridor.

ADDITIONAL INFORMATION – Copies of this public notice, which has been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District’s web page at <http://www.nws.usace.army.mil/> and scroll down the alphabetical listing of District elements, and click on “Regulatory” and then “Regulatory – Permits” for the Seattle District’s Regulatory homepage. Select the prominently displayed “Public Notices” heading and a list of recently-issued public notices will appear, in chronological order of the date of issuance. Select the listing for this WSDOT project by clicking on the blue file number, NWS-2008-744-SOD.

MITIGATION: Impacts to wetlands and creeks were avoided and minimized through project alignment and stormwater facility location changes that reduced the fill footprint, and design changes including narrowing the width of the clear zone where safety will not be jeopardized, and reducing the width of highway access and work areas. To compensate for the loss of 5.24 acres of unavoidable wetland impacts and 0.002 acre of unavoidable stream impact, 4.69 acres of temporary impacts, 0.35 acre of wetland conversion impacts (converting forested to emergent in clear zone), 8.78 acres of wetland buffer impacts, and 1.48 acres of oak woodland impacts, the Washington State Department of Transportation (WSDOT) proposes to do the following:

- Withdraw 5.98 credits from the North Fork Newaukum (NFN) Mitigation Bank located in Lewis County along the North and Middle Forks of the Newaukum River, just east of the City of Chehalis and near the impact site for permanent fill impacts to wetlands, long-term temporary impacts, and conversion impacts in the clear zone;
- Enhance 12 acres of degraded wetland along the project corridor for flow control, which would increase water retention capabilities, wetland complexity, and wildlife habitat functions. This work will require excavation in approximately 8.40 acres of the three wetland areas where the enhancement work will occur;
- Establish 9.80 acres of wetland buffer and oak woodland at the WSDOT Dillenbaugh Creek mitigation site;
- Preserve approximately 2 acres of mature oak woodland adjacent to Dillenbaugh Creek;
- Restore temporarily impacted wetlands through replanting on site and withdrawing an additional 0.73 credits from the NFN Mitigation Bank to compensate for the temporal loss to forested and scrub-shrub areas.

The wetland areas being impacted by this proposal perform functions including food chain support and nutrient cycling, wildlife habitat, floodwater storage and conveyance, erosion and shoreline stabilization, and water quality improvements. Wetland impacts will be mitigated at the NFN Mitigation Bank site, and through on site restoration of temporary impact areas, off site mitigation of wetland buffer and oak woodland impacts, and off site wetland enhancement/flow control enhancement areas. The NFN Mitigation Bank has been constructed to provide improvements to water quality and quantity including nutrient cycling, augmentation of low summer flows through floodwater storage, and creation of fish and wildlife habitat including food chain support for the Upper Chehalis River basin. The project area, flow control sites, buffer and oak woodland mitigation site, and the NFN Mitigation Bank are all included in the Upper Chehalis River basin. The NFN Mitigation Bank is a 230 acre site, of which 170 acres of restoration and enhancement of wetland, riparian habitat, upland buffer areas, and stream and shoreline improvements have been completed, converting agricultural uplands and impacted wetlands to higher quality mixed conifer and deciduous forested wetland, riparian and stream habitat.

This mitigation proposal is currently being evaluated by the Corps and Ecology. No final decisions have been made on the adequacy of the proposal.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS), (collectively, the Services), pursuant to Section 7 of ESA on all actions that may affect a species listed (or proposed for listing) under

the ESA as threatened or endangered or any designated critical habitat. The Federal Highway Administration (FHWA), as the lead agency for ESA consultation, has made a determination that the project "may affect, not likely to adversely affect" on listed species or designated critical habitat and has notified the USFWS of the determination. There were no listed species under management by the NMFS in the project area. The USFWS concurred with this finding on November 19, 2007.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH for Pacific salmon.

The FHWA, as the lead agency for a determination regarding EFH, is consulting with the NMFS. The NMFS has determined the project will have an adverse effect on EFH during project construction, and has provided conservation measures for FHWA to implement.

CULTURAL RESOURCES: The FHWA, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, has consulted with the Washington State Department of Archaeology and Historic Preservation (DAHP) as appropriate. The DAHP concurred on November 16, 2007 that the project will have "No Adverse Effect" on National Register eligible or listed historic and cultural resources. This public notice initiates consultation under Section 106 of the National Historic Preservation Act (36 CFR 800.4[a][3]), with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS - The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

EVALUATION—ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to

consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

This proposal may be the subject of a Shorelines Substantial Development Permit processed by Lewis and Thurston Counties.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

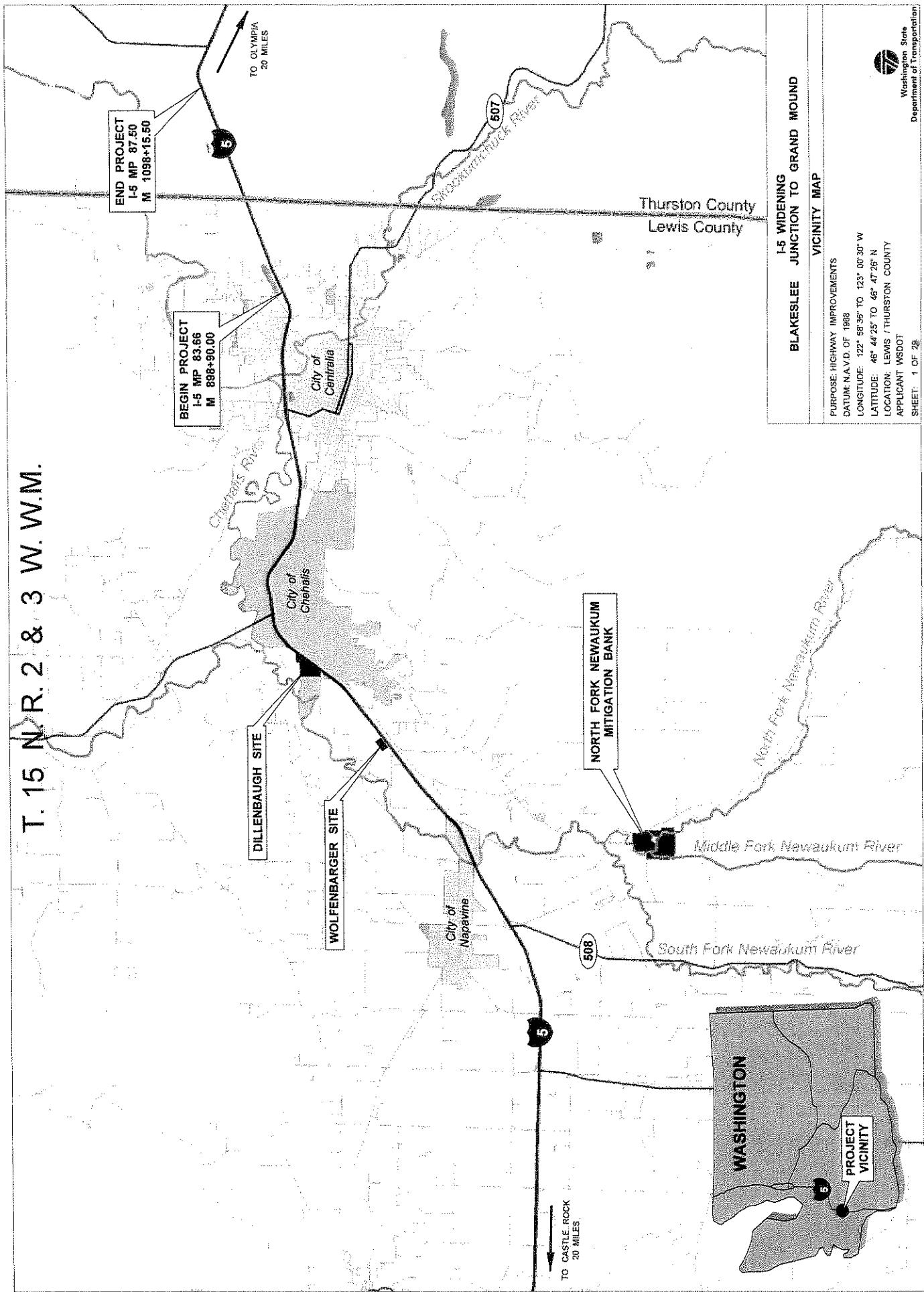
Corps comments: All e-mail comments should be sent to Sandra.L.Manning@usace.army.mil Conventional mail comments should be sent to U.S. Army Corps of Engineers, Regulatory Branch, Attn: Sandra Manning, Post Office Box 3755, Seattle, Washington 98124-3755.

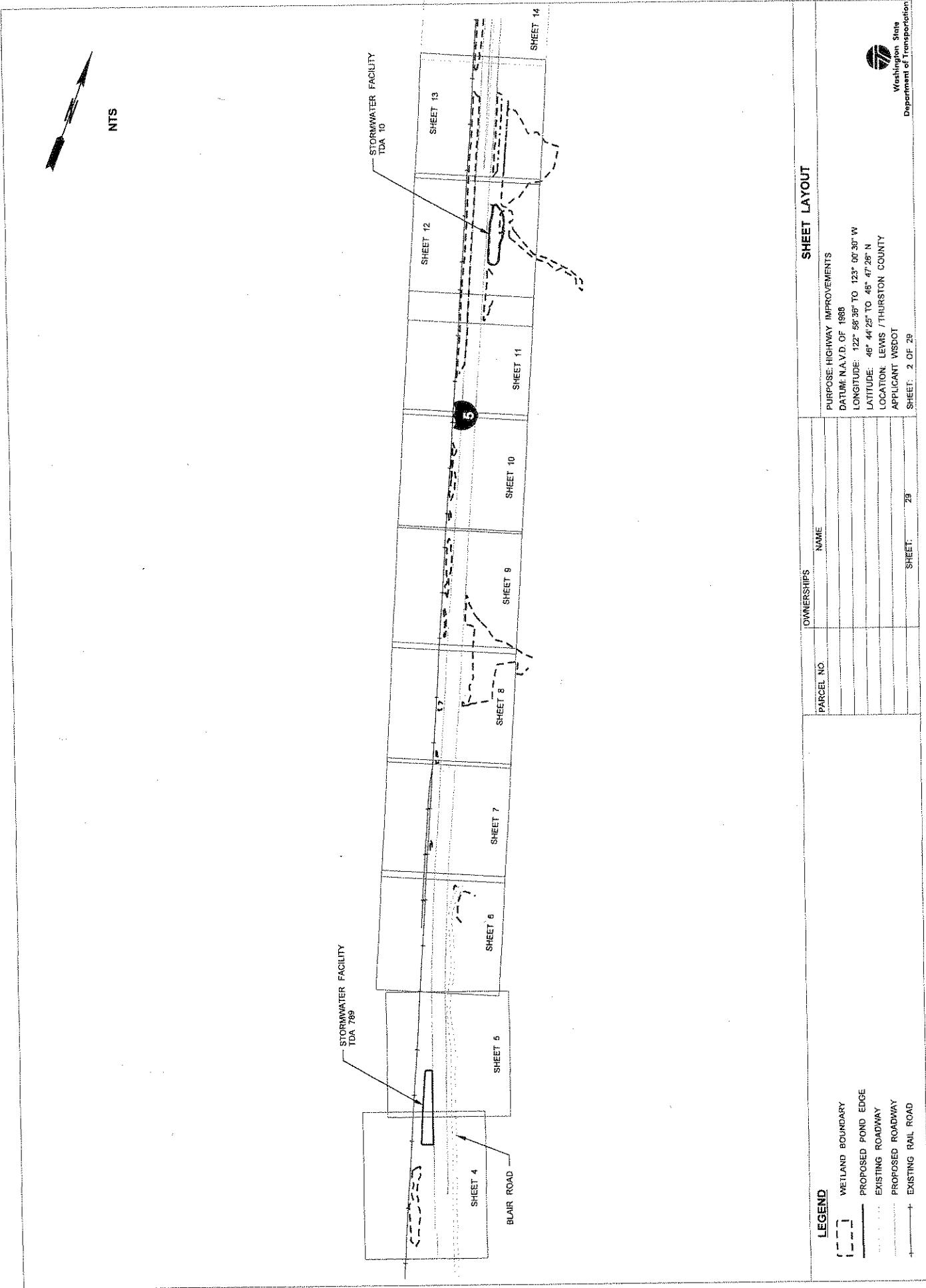
Ecology Comments: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA, may do so by submitting written comments to the following address: Department of Ecology, Attn: Penny Kelley, 300 Desmond Drive Southeast, Olympia, Washington 98503-7600, or e-mail to pkel461@ecy.wa.gov

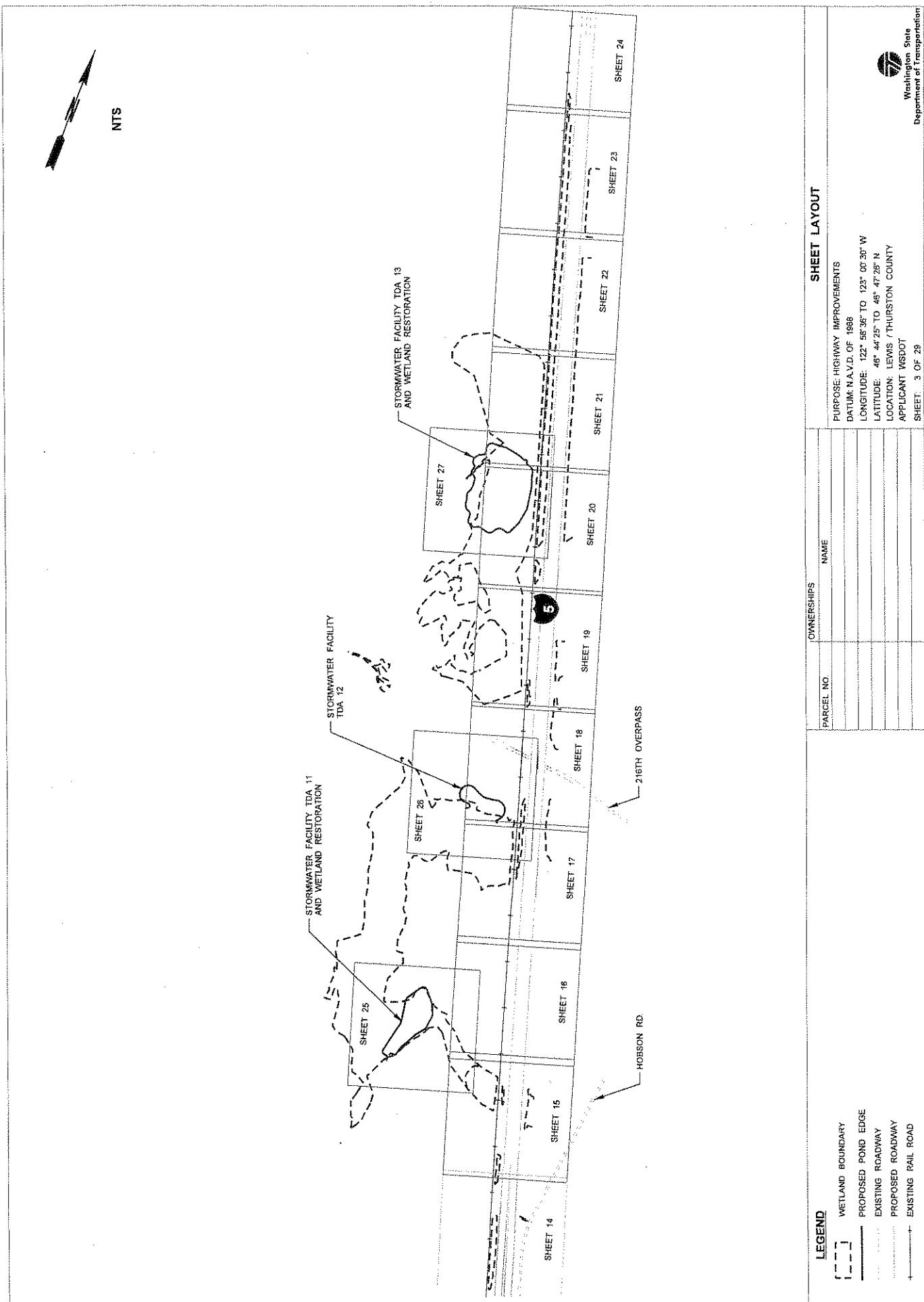
To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Washington State Dept. of Transportation, Blakeslee to Ground Mound, File No. NWS-2008-744-SOD.

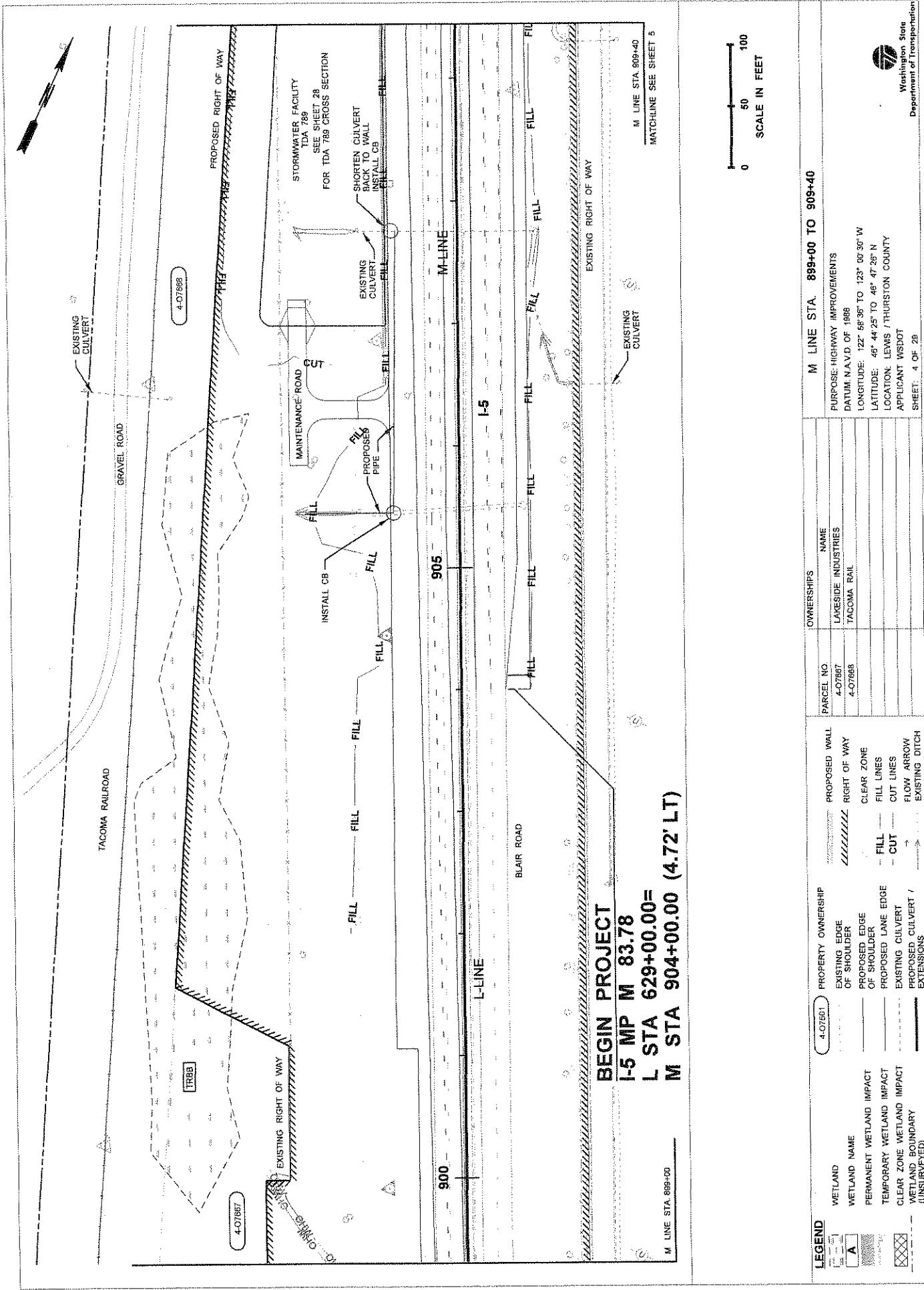
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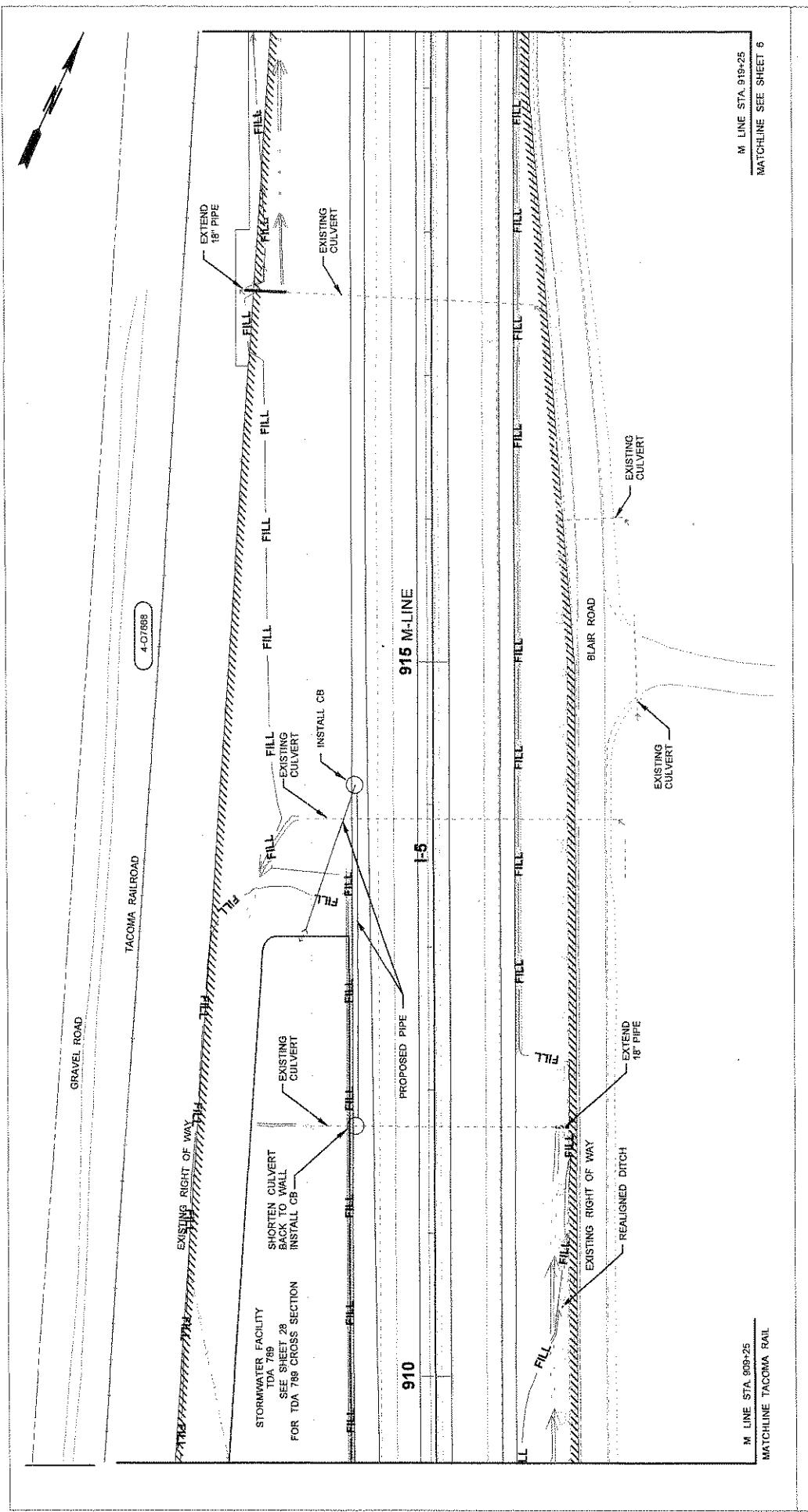
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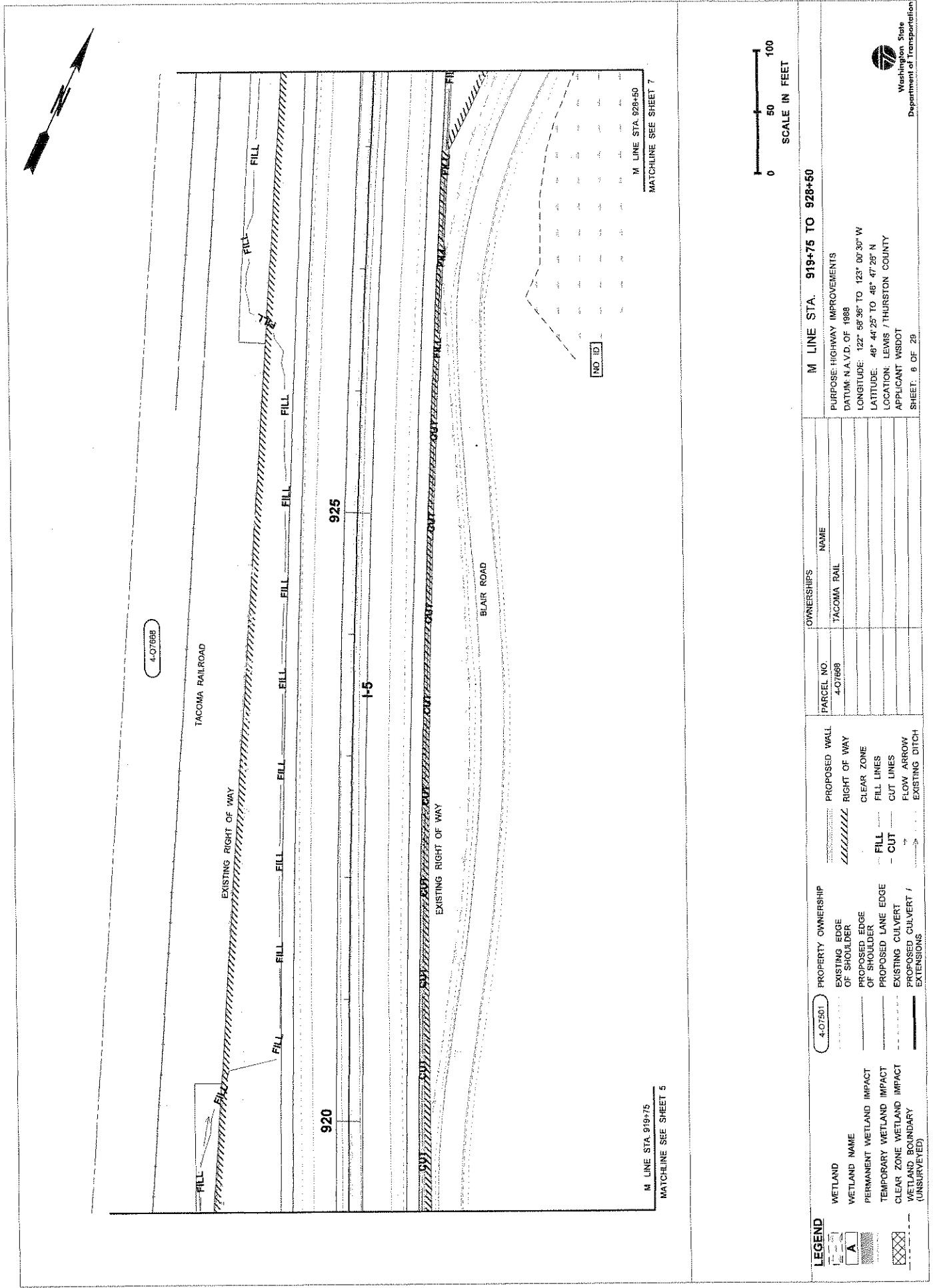


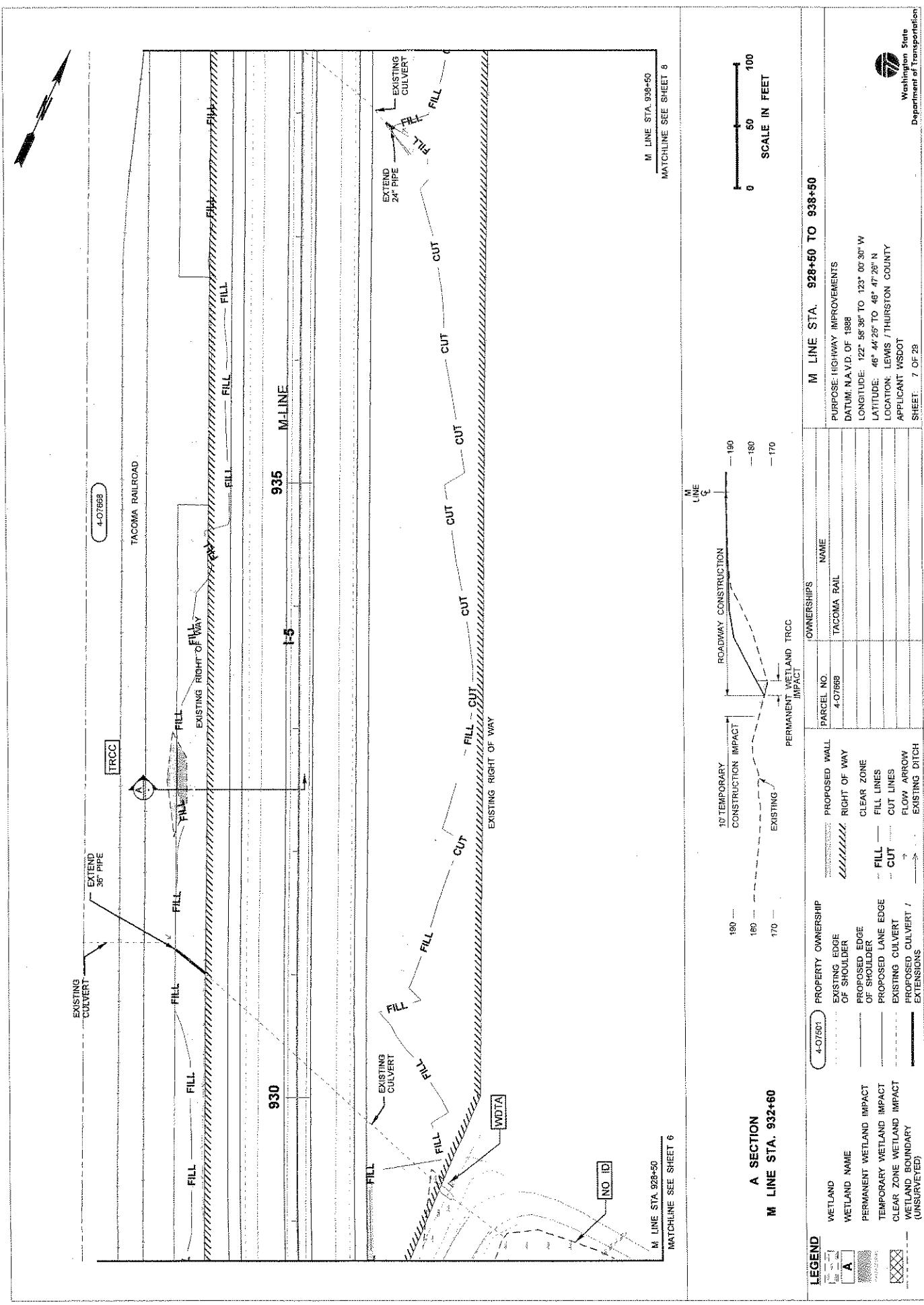


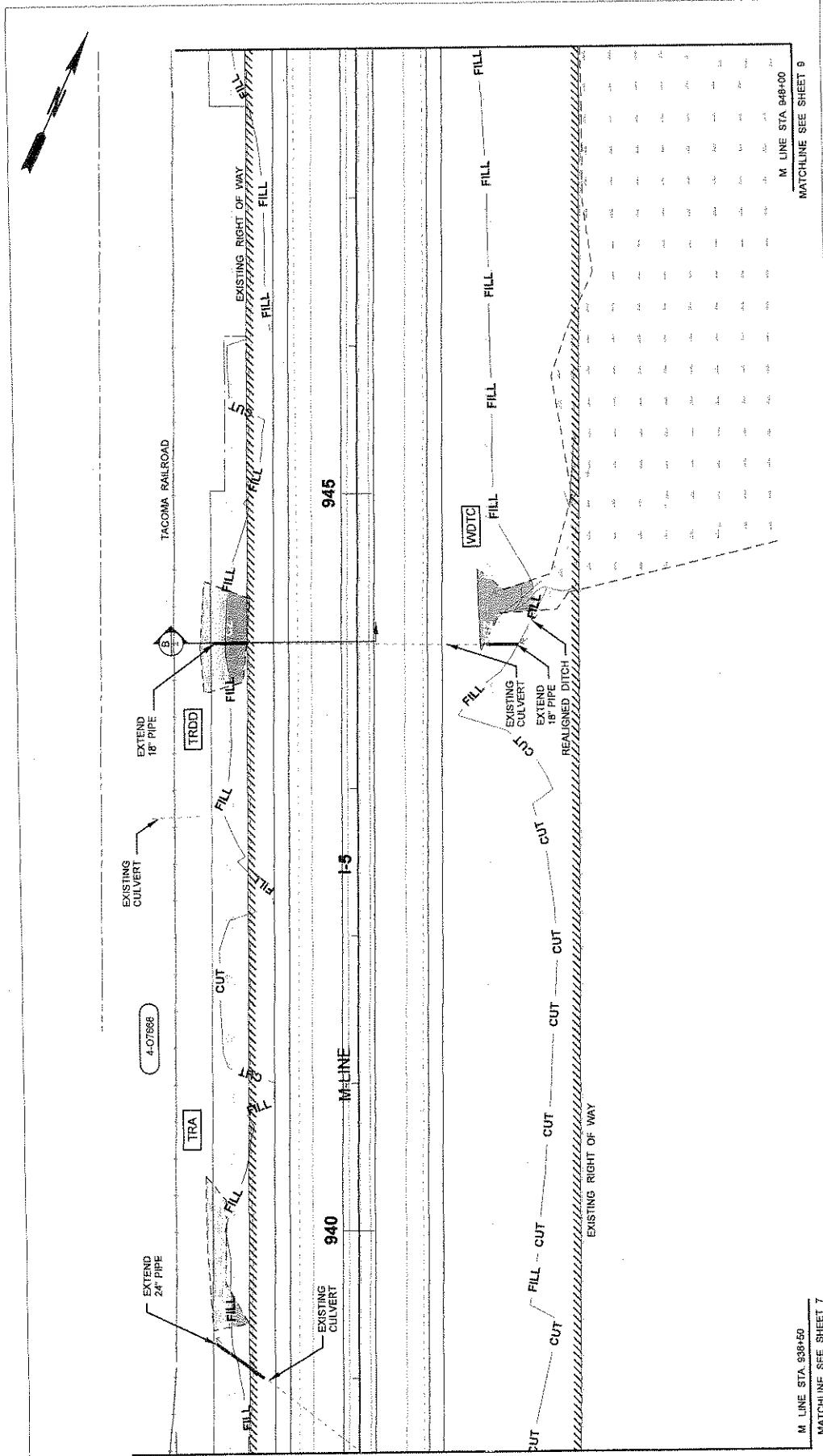




LEGEND	PROPERTY OWNERSHIP	PROPOSED WALL	OWNERSHIPS	M LINE STA. 909+40 TO 919+25
	WETLAND NAME	RIGHT OF WAY	PARCEL NO.	PURPOSE: HIGHWAY IMPROVEMENTS
	PERMANENT WETLAND IMPACT	PROPOSED EDGE OF SHOULDER	TACOMA RAIL	DATUM: NAD 1988
	TEMPORARY WETLAND IMPACT	PROPOSED LANE EDGE		LONGITUDE: 122° 09' 36" TO 123° 00' 30" W
	CLEAR ZONE WETLAND IMPACT	EXISTING CULVERT		LATITUDE: 46° 41' 25" TO 46° 47' 26" N
	WETLAND BOUNDARY (UNSURVEYED)	PROPOSED CULVERT / EXTENSIONS		LOCATION: LEWIS / THURSTON COUNTY
				APPLICANT: WSDOT
				SHEET: 5 OF 29







WATCHINE SEE SHEET 7

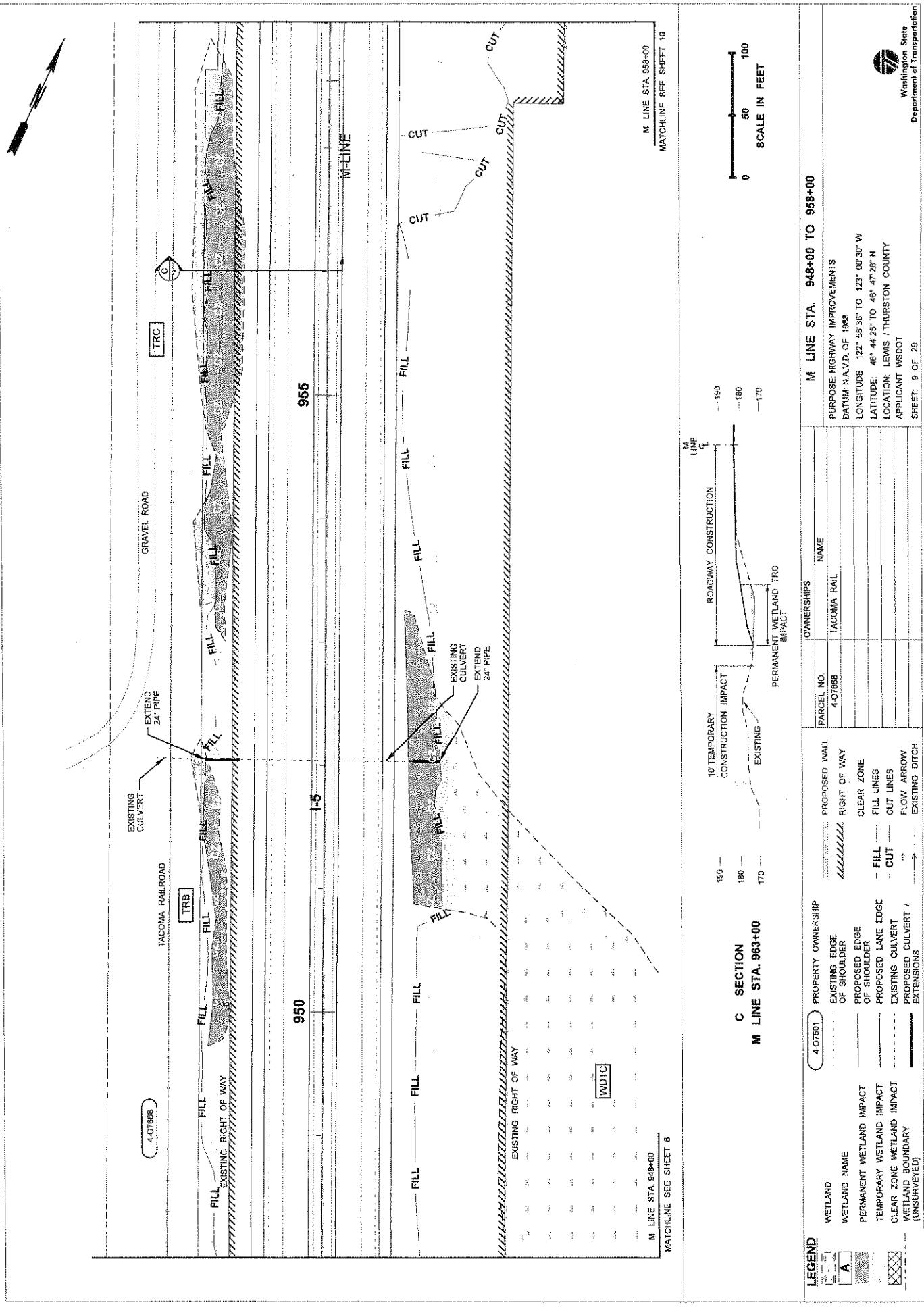
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LINE STA. 944+00

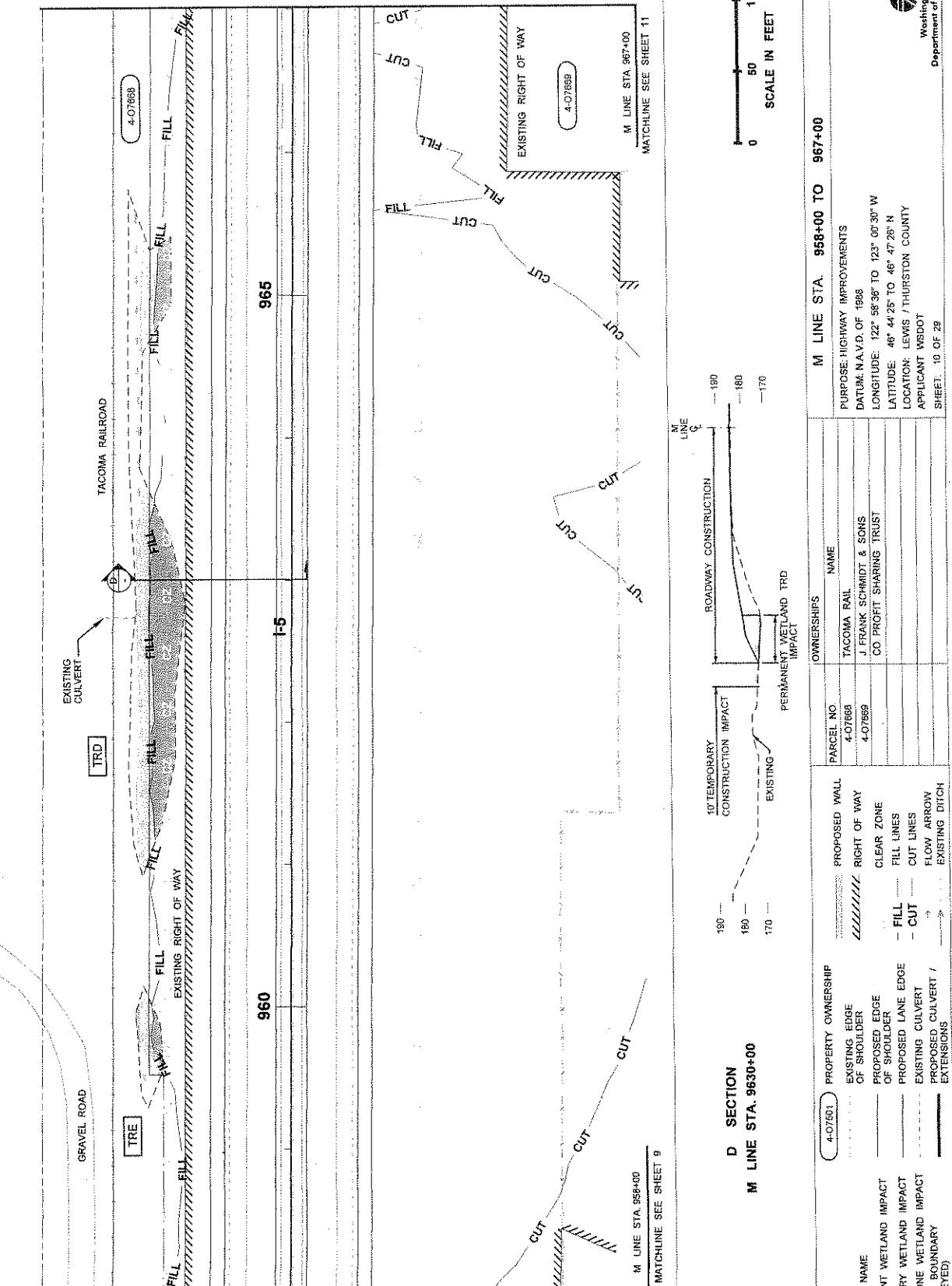
MACHINES SEE SHEET 8

ROADWAY CONSTRUCTION

MATCHLINE SEE SHEET 9

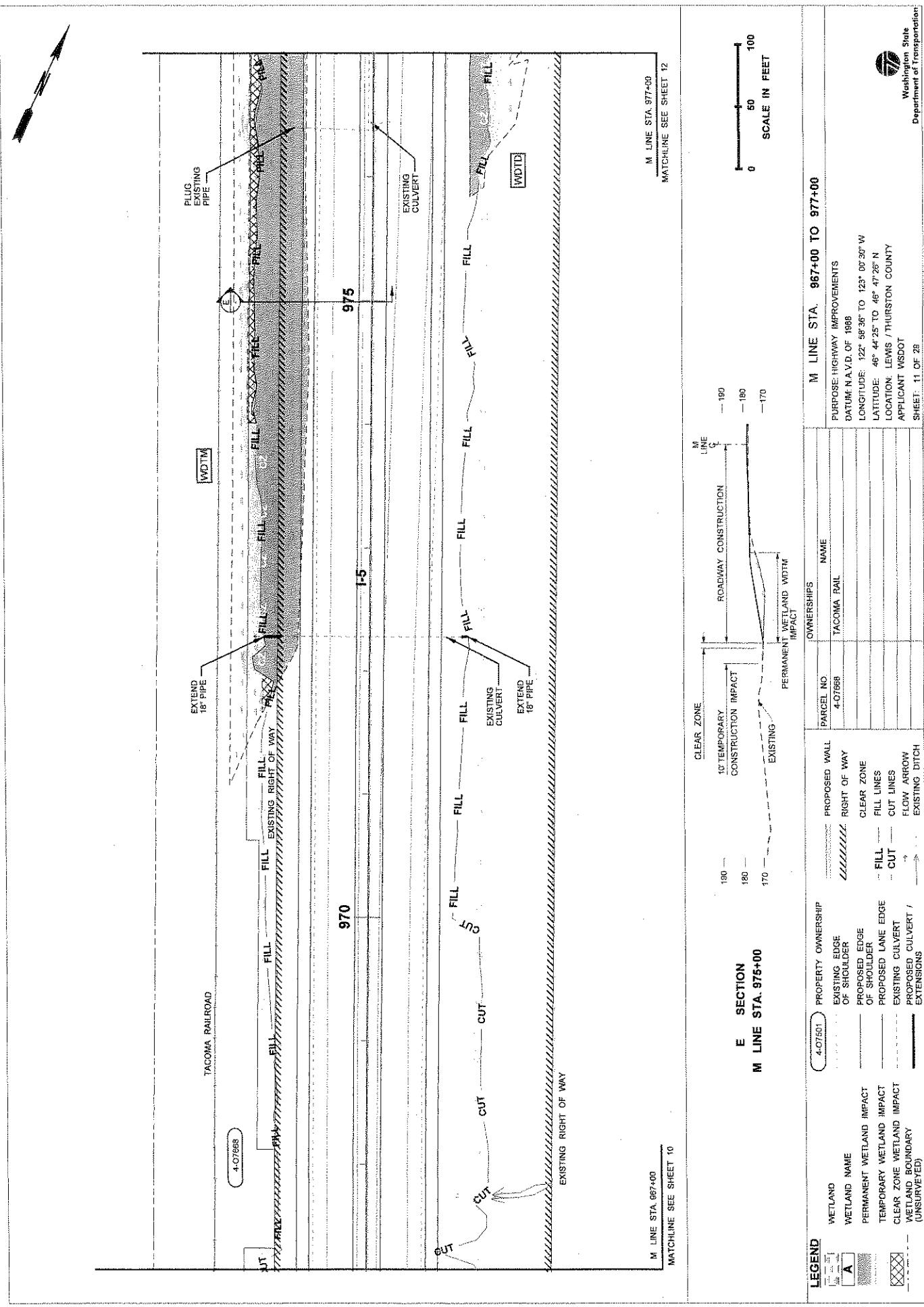
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														DATUM: N.A.V.D. OF 1988
														LONGITUDE: 122° 59' 36" TO 123° 00' 30" W
														LATITUDE: 46° 44' 25" TO 46° 47' 26" N
														LOCATION: LEWIS / THURSTON COUNTY
														APPLICANT: WESBOT
														SHEET: 8 OF 29
														Washington State Department of Transportation

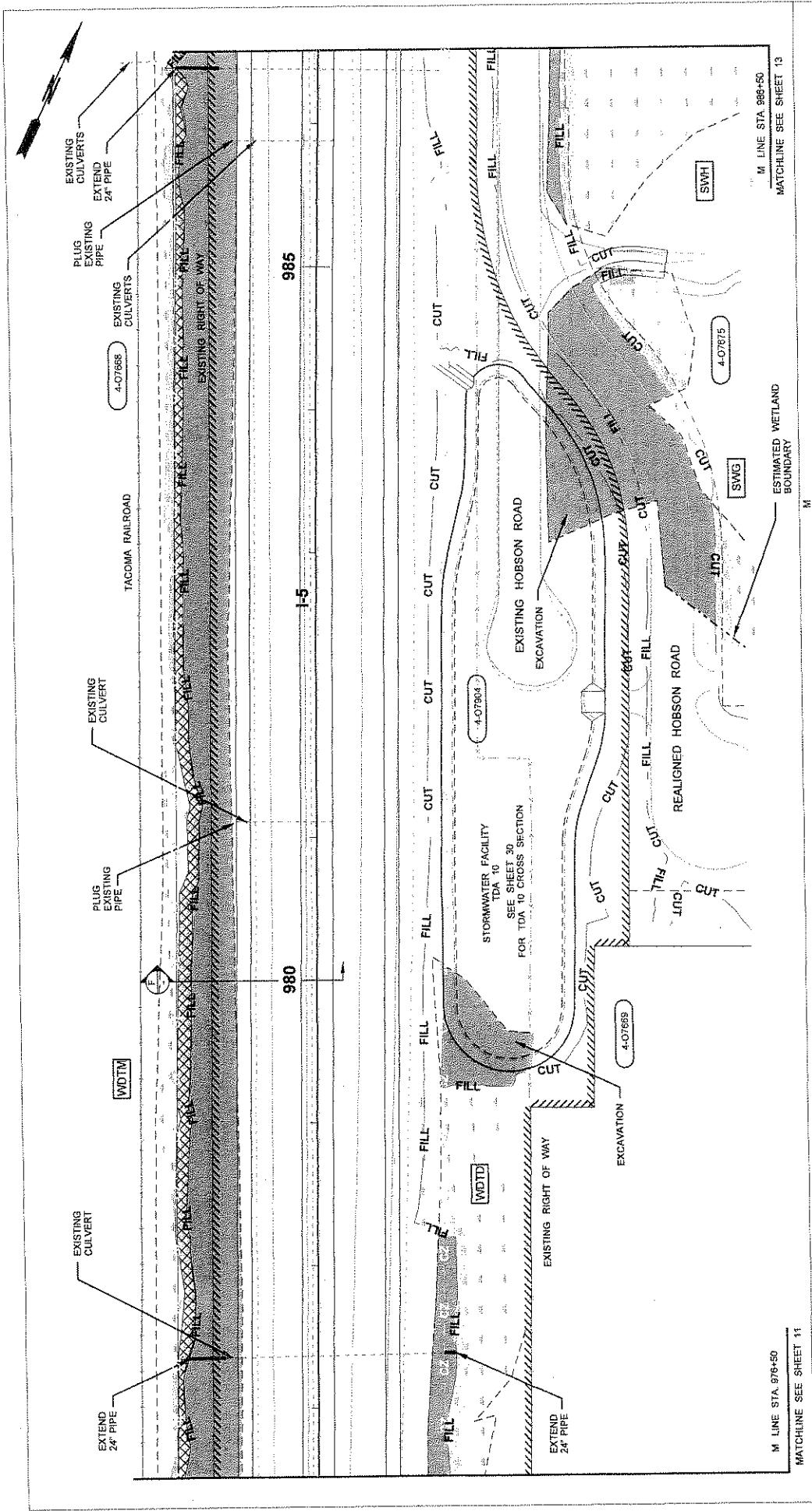




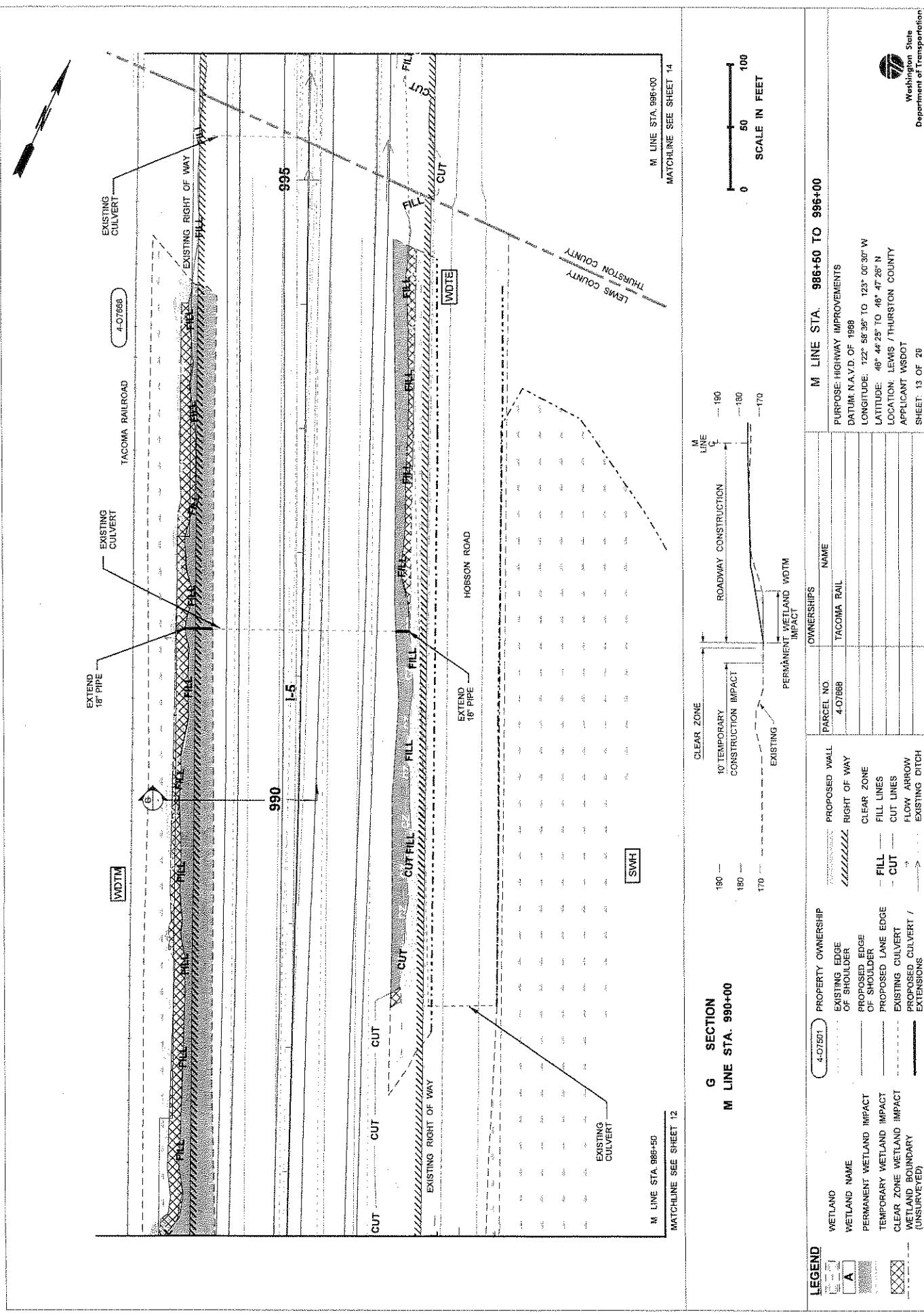
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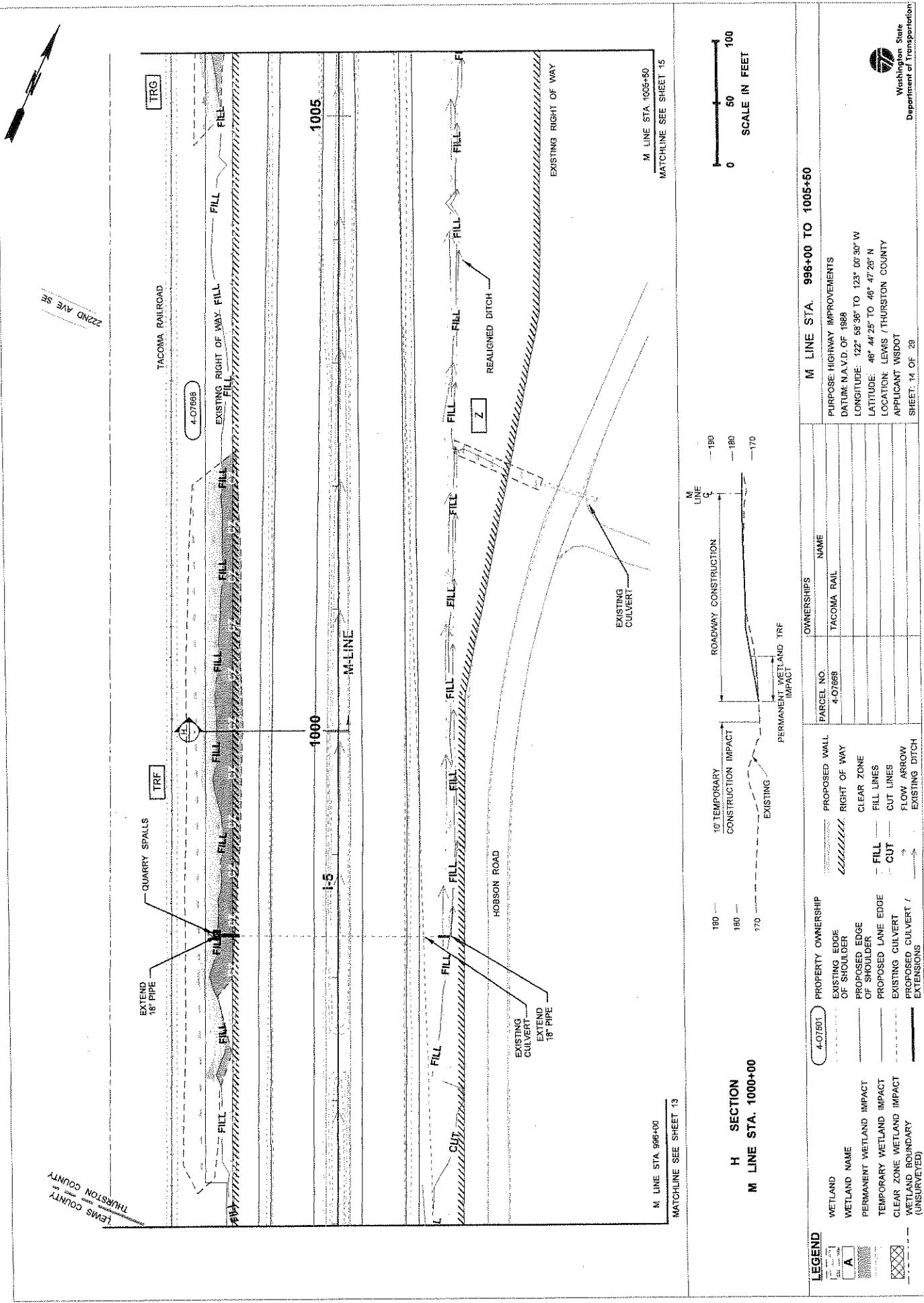
WETLAND	WETLAND NAME

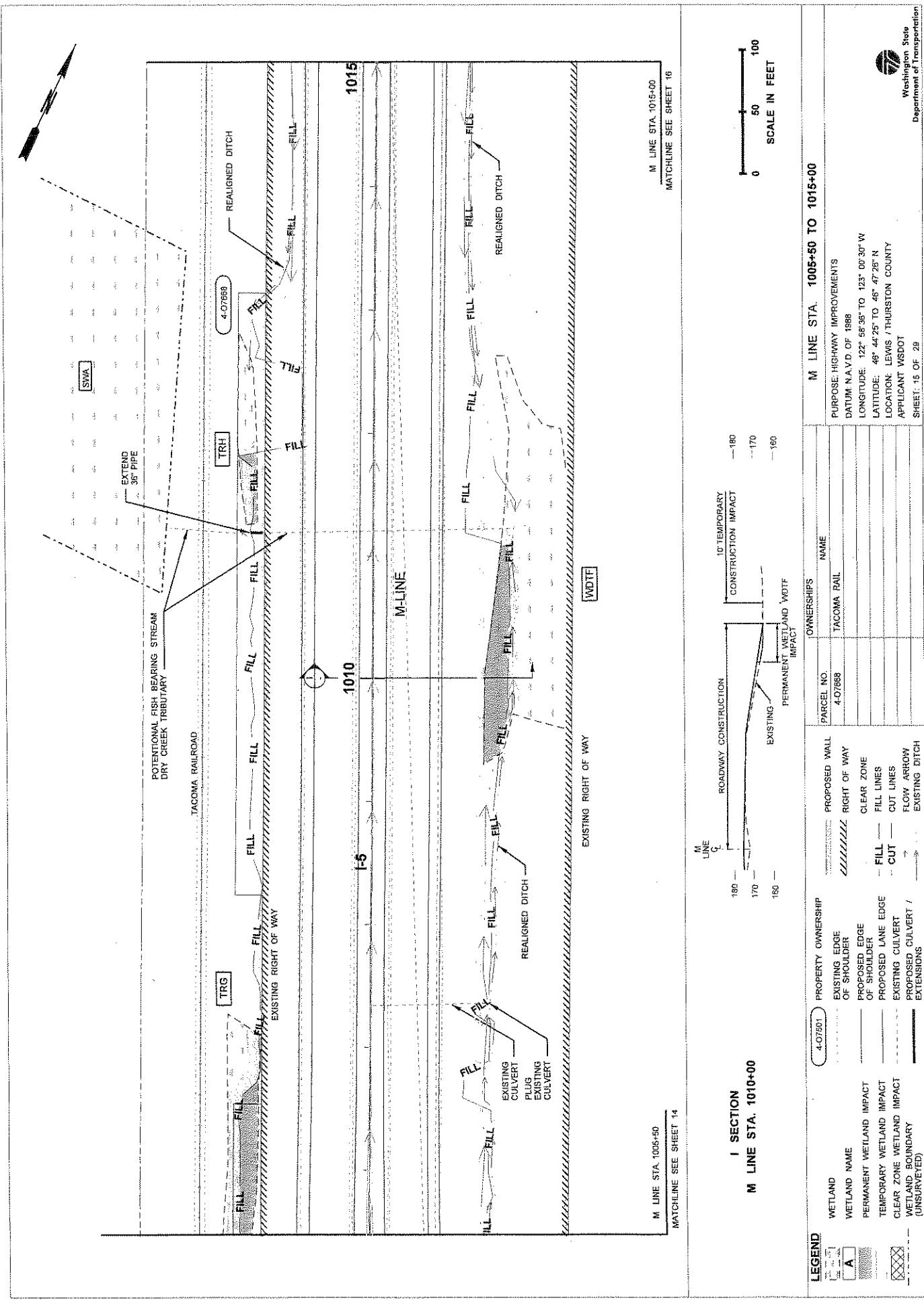


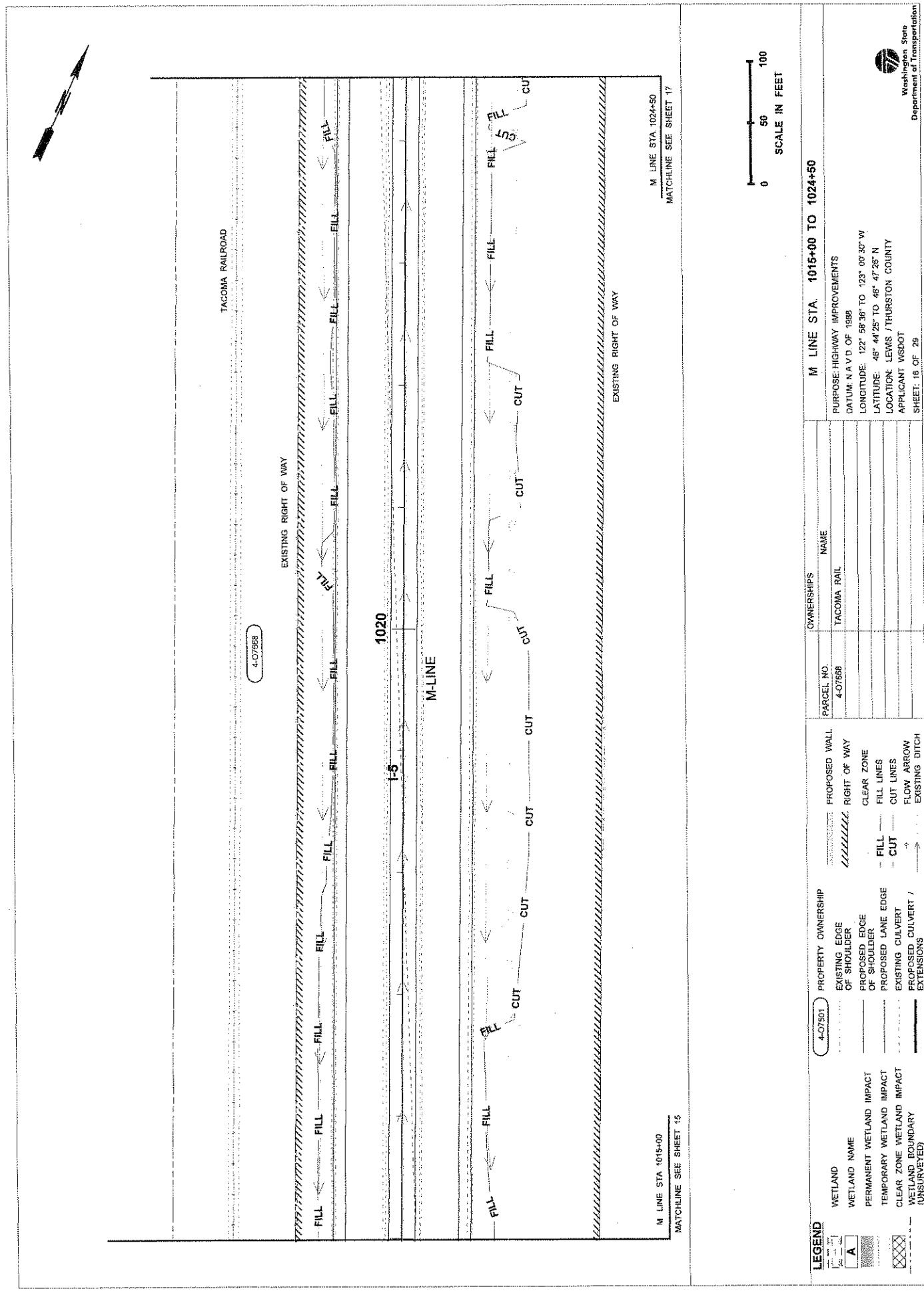


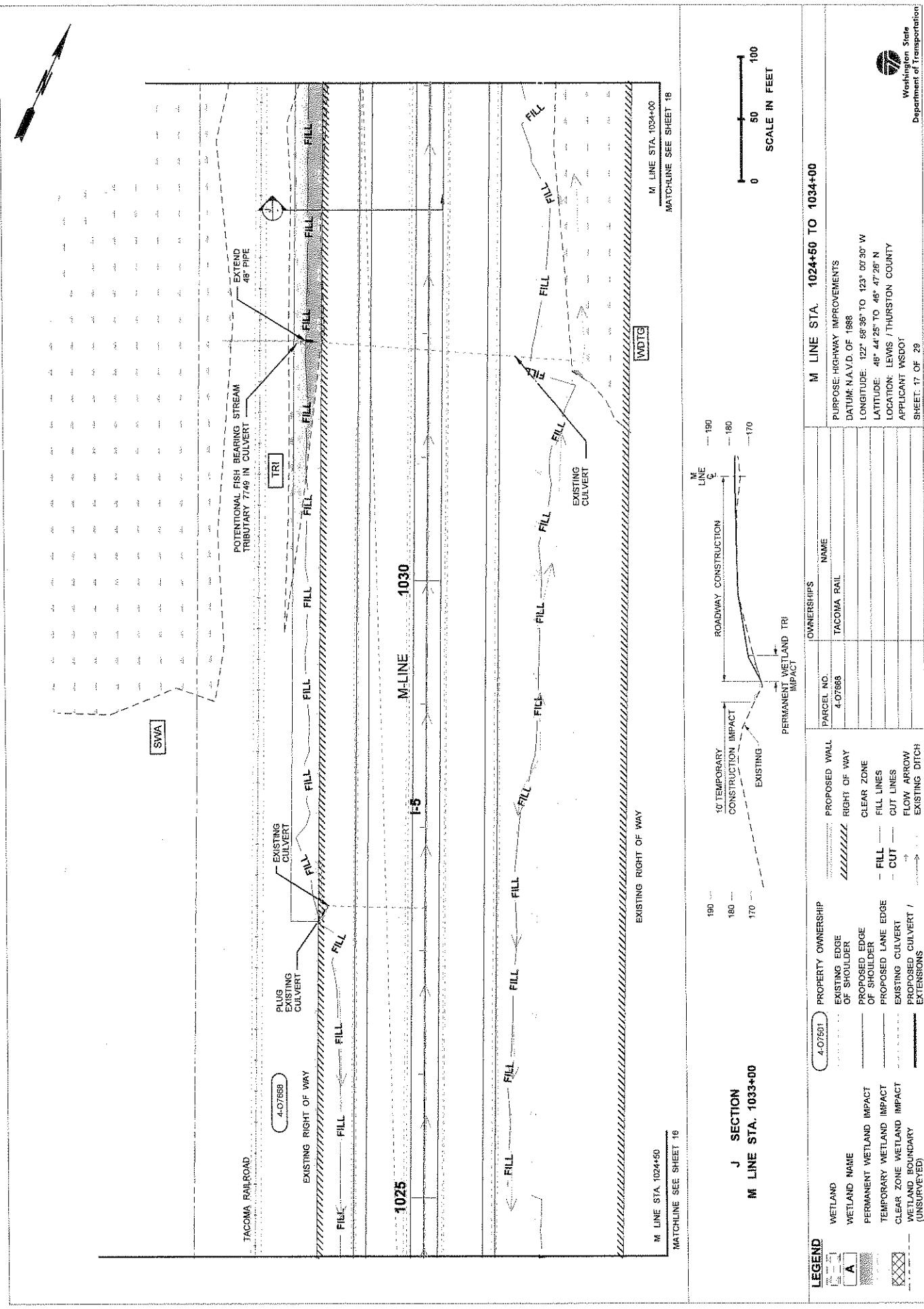
LEGEND		PROPERTY OWNERSHIP		PROPOSED WALL		PROPOSED CULVERT / EXTENSIONS		NAME	
	WETLAND NAME		EXISTING EDGE OF SHOULDER		RIGHT OF WAY		PROPOSED WALL		PURPOSE: HIGHWAY IMPROVEMENTS
	PERMANENT WETLAND IMPACT		PROPOSED EDGE OF SHOULDER		CLEAR ZONE		PROPOSED LANE EDGE		DATUM: NAD 83 (1988)
	TEMPORARY WETLAND IMPACT		PROPOSED LANE EDGE		CUT LINES		EXISTING CULVERT		LONGITUDE: 122° 58' 36" TO 123° 00' 30" W
	CLEAR ZONE, WETLAND IMPACT		EXISTING EDGE OF SHOULDER		EXISTING DITCH		PROPOSED WALL		LATITUDE: 46° 44' 25" TO 46° 47' 26" N
	(UNSURVEYED)								LOCATION: LEWIS, THURSTON COUNTY
									APPLICANT: WSDOT
									WISHTIGON STATE Department of Transportation
									SHEET: 12 of 29

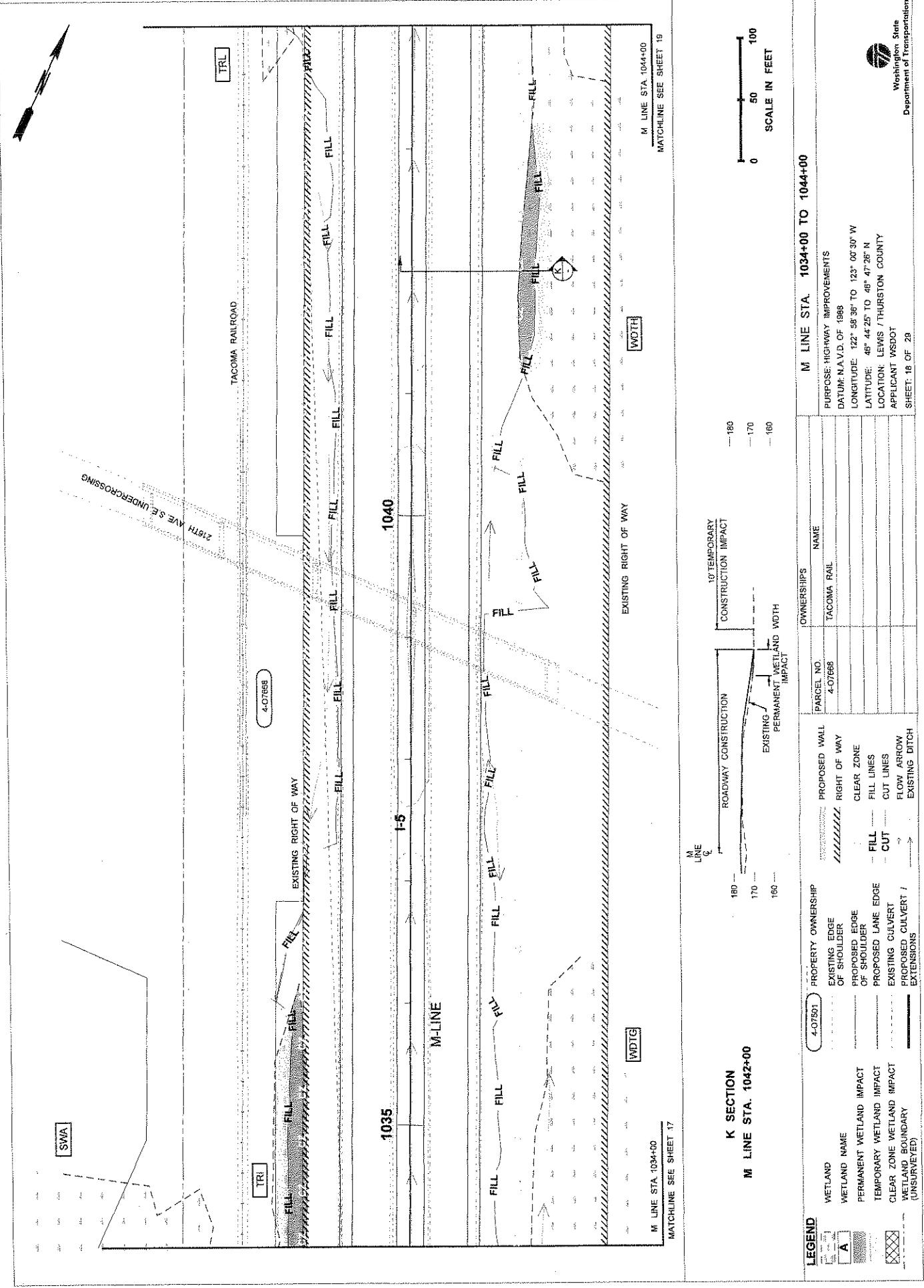


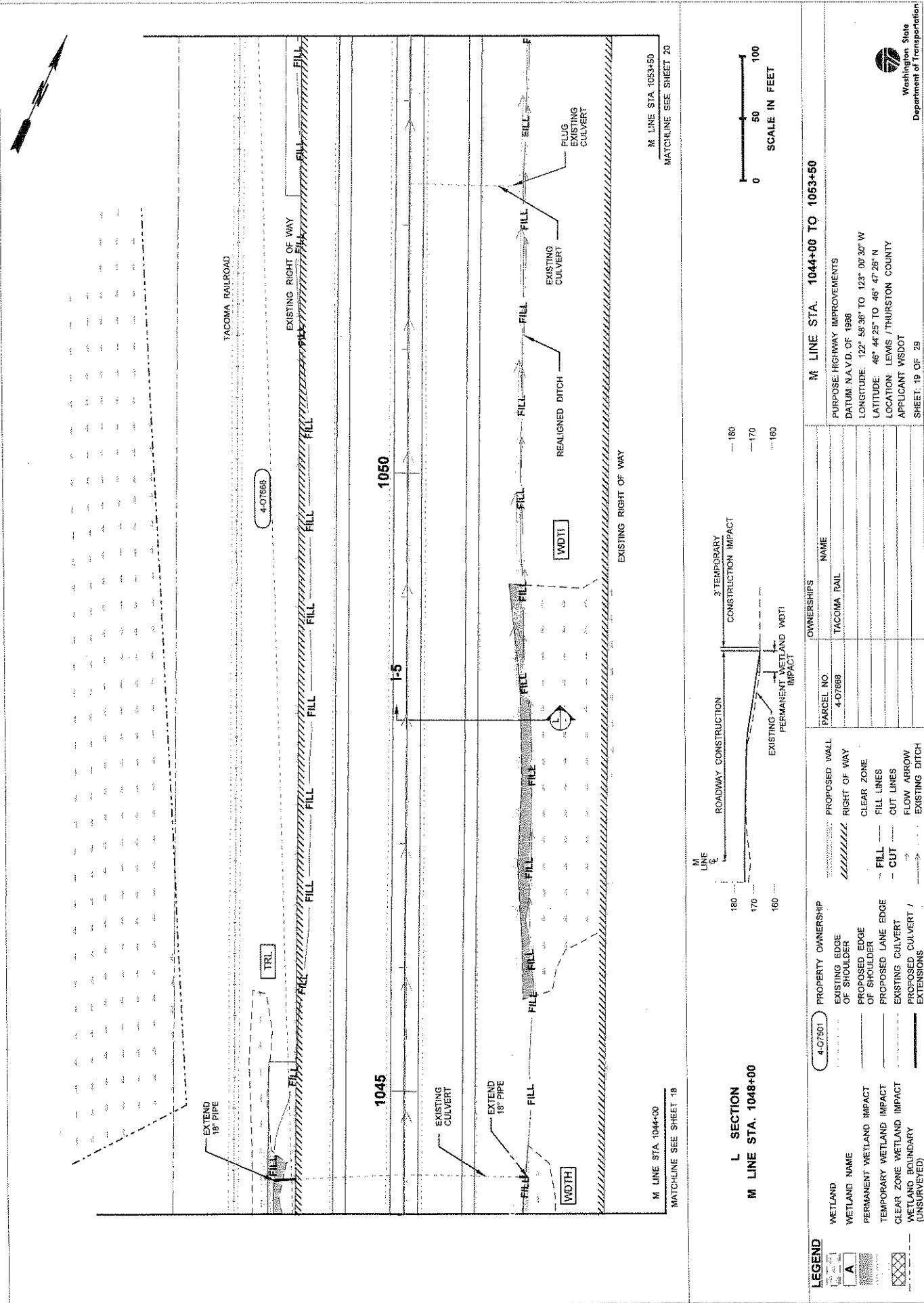


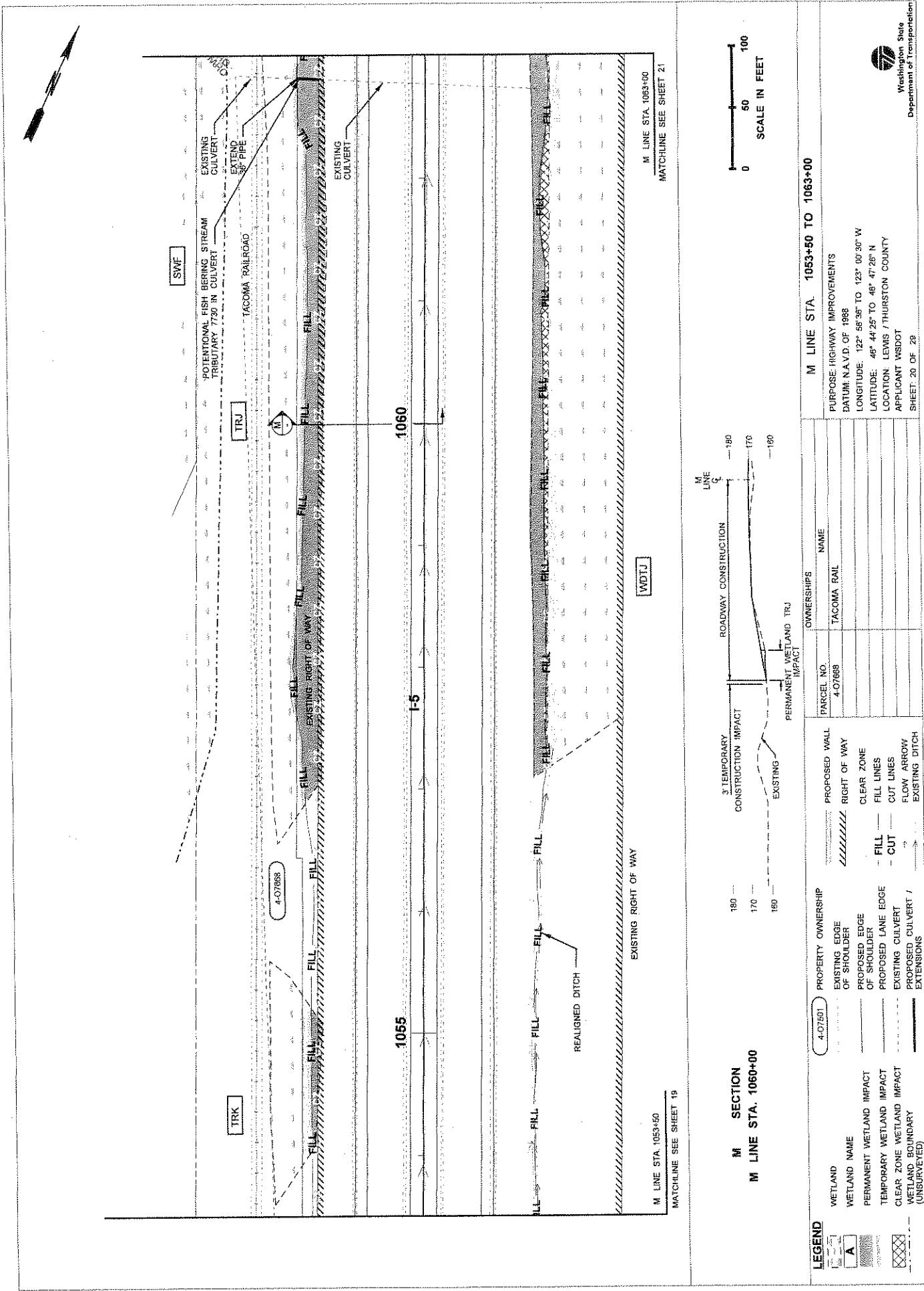


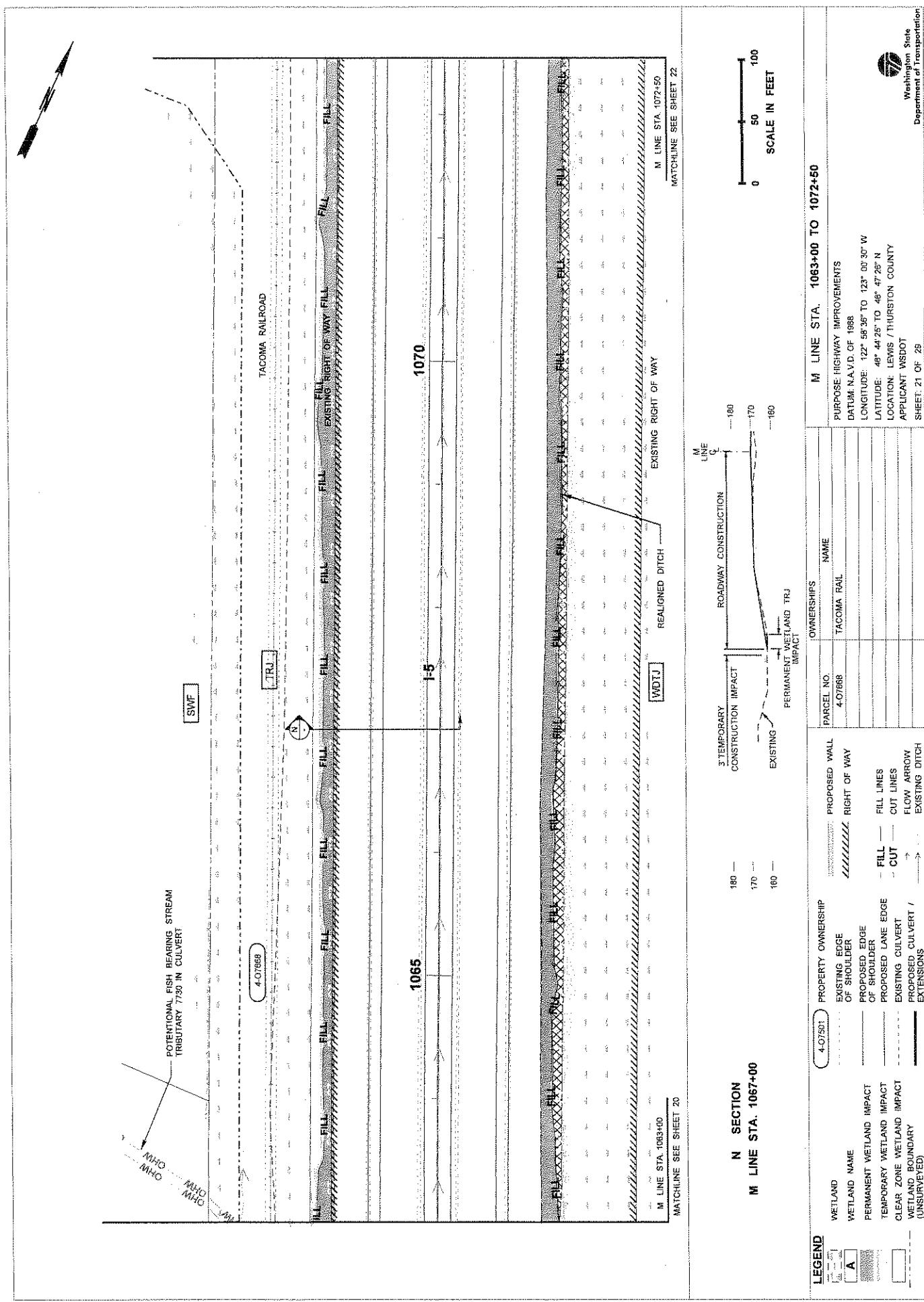


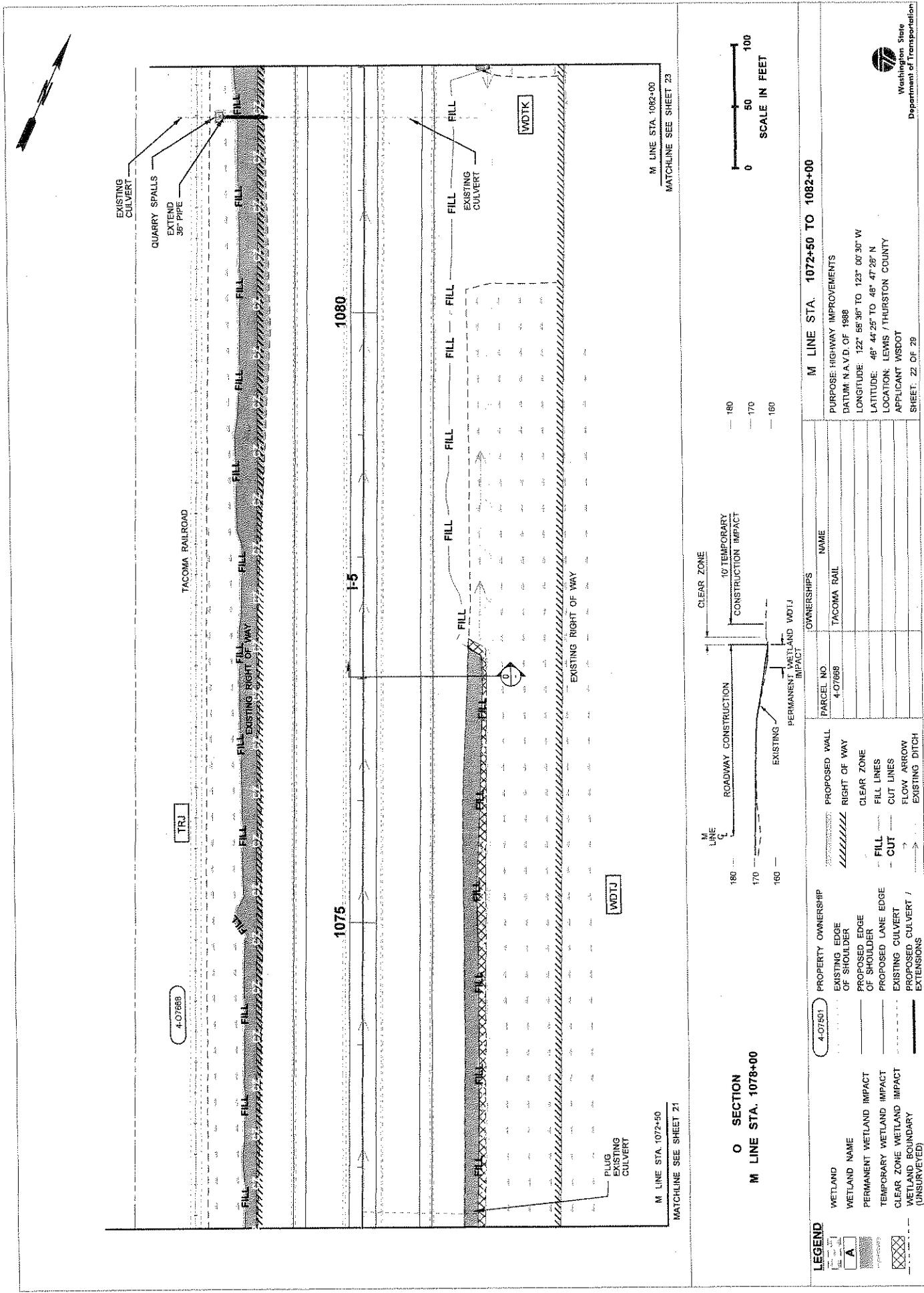


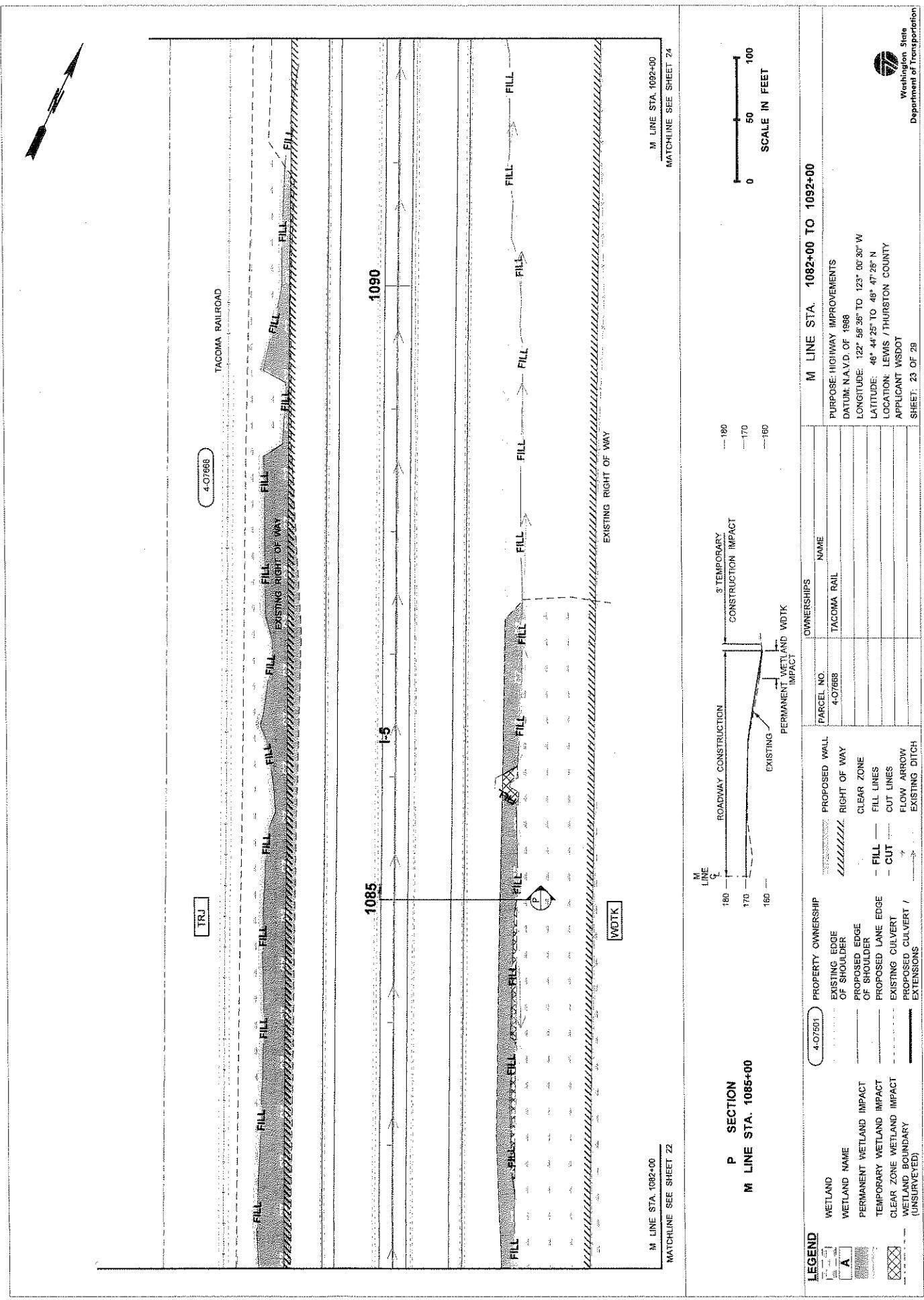


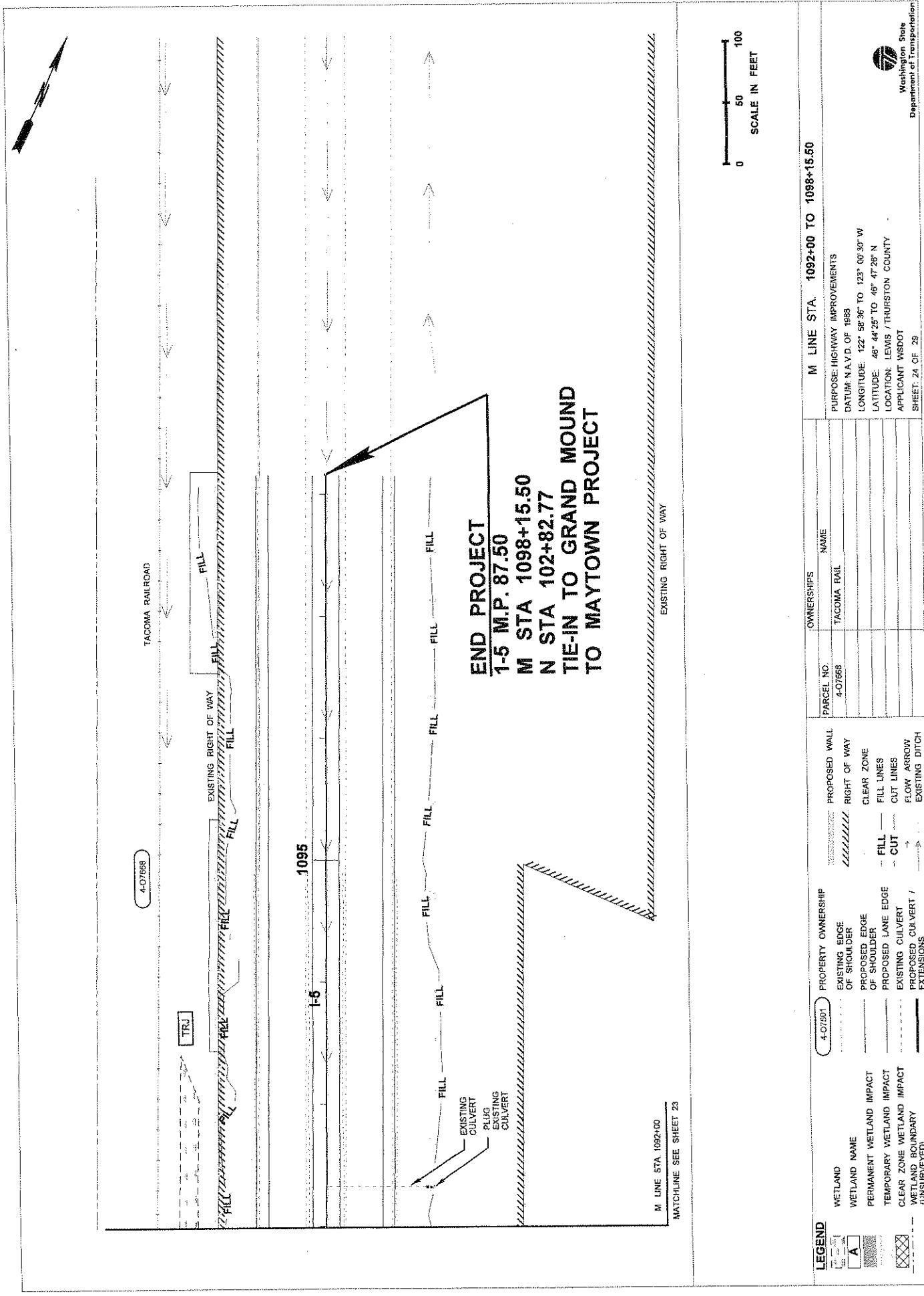




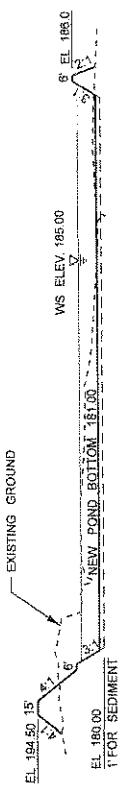




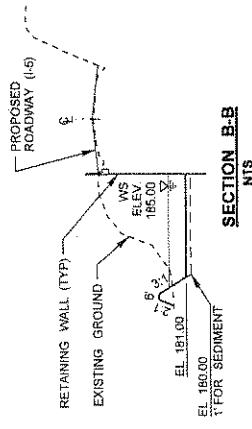




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SECTION A-A



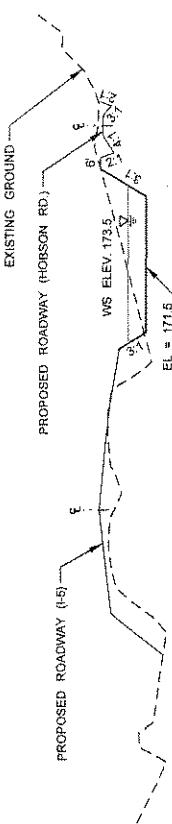
SECTION B.B
NTS

STORMWATER FACILITY TDA 789

SEE SHEET 4 AND 5



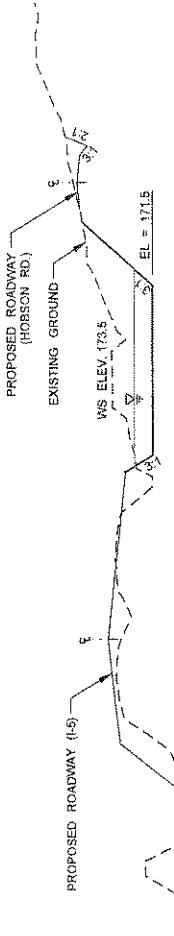
SECTION A-A



SECTION B-B

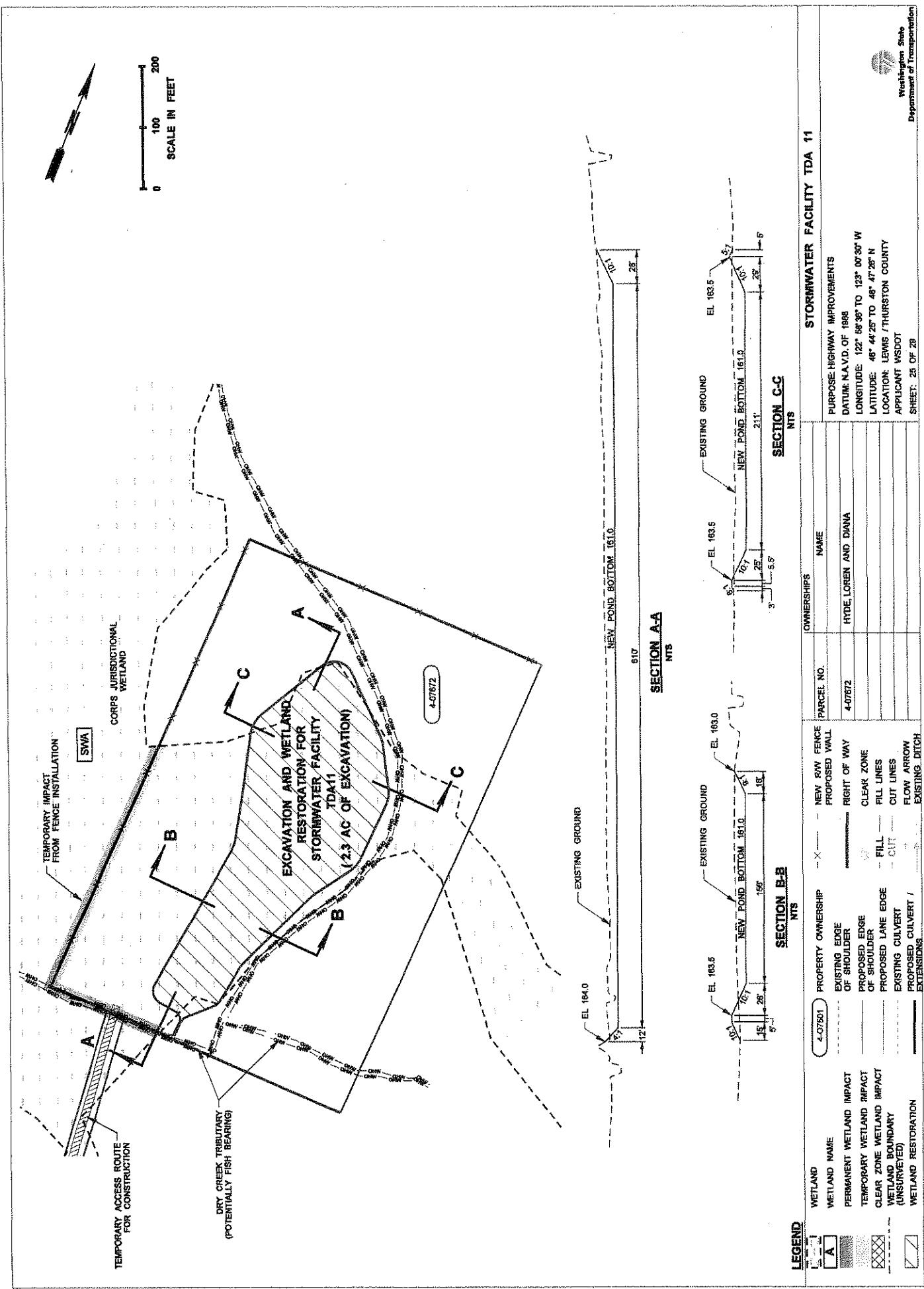
STORMWATER FACILITY TDA 10

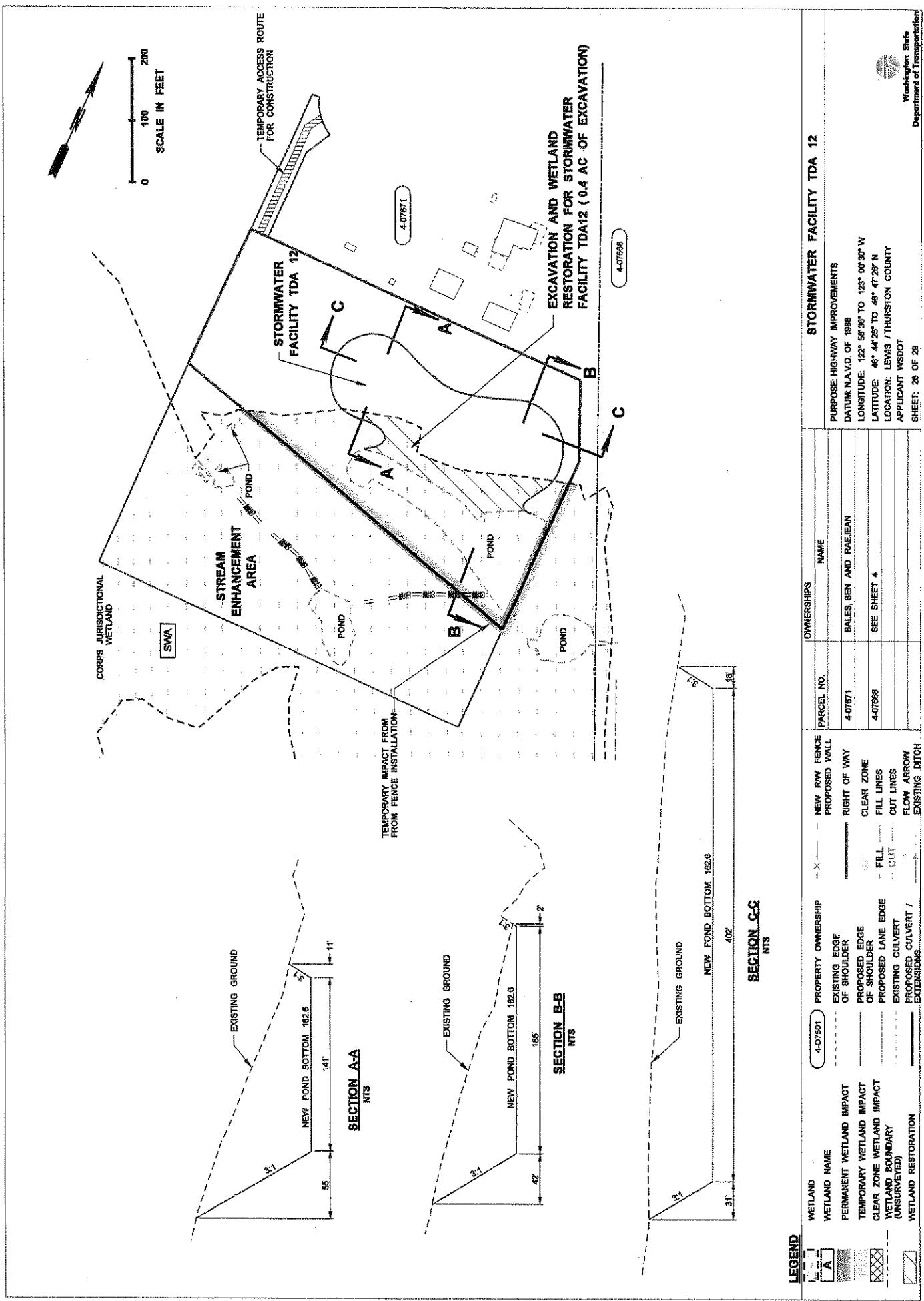
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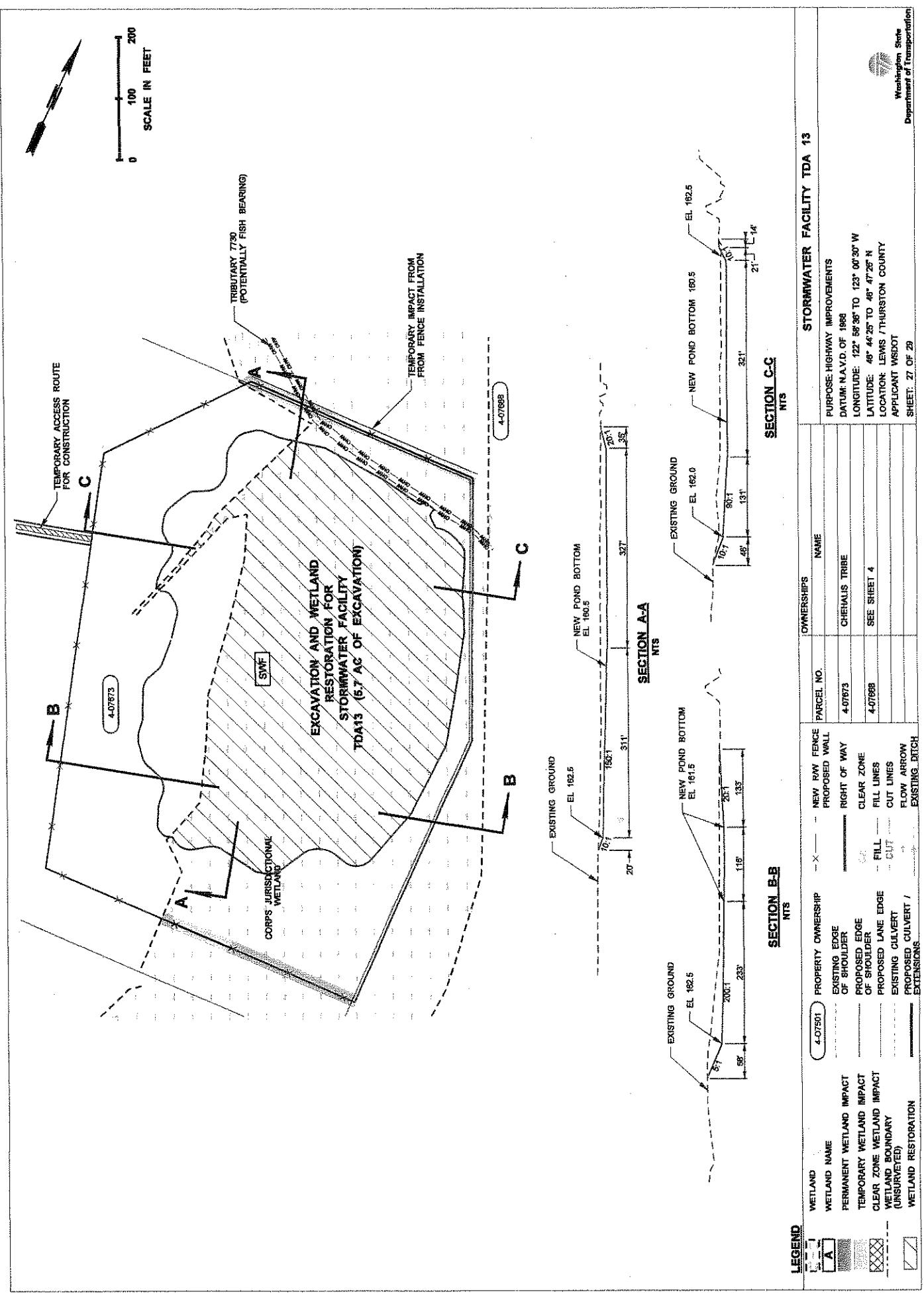


SECTION C-C

STORMWATER FACILITY SECTIONS TDA 789 & TDA 10







Stream and riparian habitat impacts will be mitigated for with riparian wetland/stream bank enhancement (plantings) in the location labeled "stream enhancement" on Plan Sheet 26 of 29.

Table 1. Wetland Mitigation Summary Table			
Impact Type	Reference Table	Credit Required	
Fill Placement	Table 2	5.13	
Temporary Construction Clearing	Table 3	0.70	
Clear Zone Impacts	Table 4	0.15	
Grand Total	Total	6.38	

Table 2. Direct Wetland Impacts and Compensation Mitigation Calculations					
Ecology Category	Coveration	Fill Placement	NEN Ratio	Credit Received	
I	Emergent	0.61	1	0.610	
	Forested	1.06	1	3.059	
II	Shrub-Scrub	0.36	1	0.691	
	Emergent	0.19	0.95	0.188	
III	Forested	0.37	0.95	0.312	
	Shrub-Scrub	0.12	0.95	0.100	
Total		5.24		4.13	

Table 3. Temporary Construction Clearing Impacts To Wetlands and Compensation Mitigation Calculations					
Ecology Category	Coveration	Construction Clearing (ac)	WSDOT Ratio	NEN Ratio	Credits Required
I	Emergent	1.54	0	1	0.00
	Forested	1.13	0.35	1	0.17
II	Shrub-Scrub	0.69	0.25	1	0.17
	Emergent	0.37	0.35	0.05	0.11
III	Forested	0.11	0.25	0.05	0.02
	Shrub-Scrub				
Total		4.69			0.70

Table 4. Mitigation Calculations for Clear Zone Impacts to Native Trees in Wetlands					
Ecology Category	Average Clear Zone Impacts (ac)	Percent Forested Wetland in Clear Zone	WSDOT Ratio	NEN Ratio	Total
I	Forested Cover	0.36	0.51	1.00	0.15
	Non-Cover	0.952	0.30	0.95	0.90
II	Forested Cover	0.36	0.31	0.95	0.18
	Total	1.00	0.36	0.95	0.46

Uninformed tributary to Dry Creek permanent fill 0.002 acre

Table 5. Individual Wetland Impacts						
Wetland ID	Wetland Class	Permanent Wetland	Wetland Fill	Excavation (cu yds)	Clear 2Zone (ac)	Temporary Construction Credits (ac)
SWA		2	0.00	85.84	0.00	0.00
SWF		2	0.00	513.1	0.00	0.00
SYG		2	0.19	305.03	0.00	0.14
SWH		2	0.00	108.90	0.00	0.01
TBA		3	0.02	3.86	0.00	0.01
TB9		2	0.09	152.92	0.00	0.01
TRG		2	0.20	877.22	0.00	0.08
TRC		3	0.01	18.95	0.00	0.01
TRCC		2	0.09	83.79	0.00	0.05
TRD		3	0.03	28.51	0.00	0.01
TRDD		2	0.00	4.62	0.00	0.01
TRE		2	0.18	305.46	0.00	0.13
TRF		2	0.04	20.03	0.00	0.05
TRG		2	0.01	2.88	0.00	0.02
TRH		2	0.15	707.86	0.00	0.12
TRI		2	1.36	2778.80	0.00	0.24
TRJ		3	0.02	17.79	0.00	0.03
TRK		2	0.02	31.73	0.00	0.03
TRL		2	0.00	0.00	0.00	0.00
WDTA		3	0.13	571.79	0.00	0.04
WDTB		2	0.06	396.59	0.00	0.03
WDTD		3	0.26	218.20	0.00	0.06
WDTF		2	0.05	88.84	0.00	0.02
WDTG		3	0.00	37.95	0.00	0.00
WIDTH		3	0.05	42.65	0.00	0.05
WDTI		2	0.07	2605.00	0.00	0.08
WEGL		2	0.32	603.13	0.00	0.04
WEWK		2	0.15	116.40	0.00	0.04
WEWM		2	1.58	5395.76	0.00	0.17
Total		2	0.00	3111.00	0.00	0.69

Table 6. Adjoining Owners To Impact Areas					
Parcel No.	Address	City	Zip Code	Phone No.	
04-076867	PO Box 7016	Million	98354	253.922.3479	
04-076753	1603 7th St.	Belling	97006	360.608.7293	
04-076859	PO Box 119	Vancouver	98682		
04-076732	8800 NE 36th Street			360.735.3898	
04-076572	PO Box 14055	Turner	98651		
04-076711	PO Box 14055	Centralia	98531	360.685.1511	
04-076733	2122 Old Highway 99	Tacoma	98421	253.395.3101	
04-076580	747 Nekton St.	Olympia	98532	360.740.1922	
04-076904	351 NW North St.				

Table 7. Impact Wetland Area Totals					
PURPOSE-HIGHWAY IMPROVEMENTS					
DATUM-NAVD OF 1988					
LONGITUDE: 122° 56' 35" TO 123° 00' 35" W					
LATITUDE: 48° 44' 25" TO 48° 47' 28" N					
LOCATION: LEWIS / THURSTON COUNTY					
APPLICANT WSDOT					
SHEET: 29 OF 29					

